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1 PURPOSE

This document makes survey over 227 fora/consortia globally. The information included can be provided for other PSOs for the further investigations.

2 REFERENCES

3 CONTENT

Content

1 PURPOSE I
2 REFERENCES I
3 CONTENT I
1 Introduction 1
2 Analysis on Fora/Consortia 1
2.1 Analysis of Fora/Consortia Surveyed in 2008 2
2.2 Analysis of the Objective Field 17
2.3 Analysis by the regions 20
2.4 Analysis by the purpose of activity 21
3 Topic- A study on Home Network Standardization 23
3.1 Overview 23
3.2 Home network-related standardization organizations 24
3.3 Home network-related Standardization Organizations in China 42
3.4 Analysis by number of participating members 46
3.5 Analysis of the HN-related fora 47
4 Discussion on the activity purpose of the fora 48
Appendix Details of fora 223

Report on CJK Joint Survey on Fora/Consortia

1 Introduction

In the year of 2005, TTC has proposed collaboration in fora survey among CJK members at the GSC 10 meeting, this research on the global standardization can help the SDOs of CJK to make their future work plan. It was agreed in April 2006 at the meeting of CJK 6 (Hangzhou) and it proposed that we can contribute the final report to the GSC. CCSA is assigned as the convener of Ad-hoc Group on Fora survey of the fiscal year of 2008, and responsible to report at CJK9.

Based on the previous survey of TTA and TTC, CCSA makes some updating of the fora related, including the new-launched fora, renamed fora and son on. In this report, the total number of the fora a surveyed is 227. And CCSA did some research on the Home-network relate standardization as well as the new trend of the technologies which is presented in this report as the topic survey.

Our work schedule is as follows:

- April 2009: Analysis and Interim presentation at CJK9
- May 2009: Requesting TTA and TTC for their fora surveys respectively
- May-June 2009: Incorporating the surveys from TTA and TTC into the report. Perfecting and updating the report according to the comments from AHGF members, as well as other new requirements emerged. The report will be finalized.
- July 2009: Presenting the final report at the GSC 14

2 Analysis on Fora/Consortia

Those surveys and analysis in this section are based on the classification of objective field proposed by TTA in the report of last year, which is illustrated in the table below.

Table 1 classification of the objective field

Objective field	Sub-field
Convergence Infrastructure	Broad Convergence Network
	Digital Broadcasting
	Mobile Communication
Information Technology	U-infra SW
	Digital Content
	Security
Convergence Service	RFID/USN
	u-Computing
	Intelligent Robotics
	Electronic Commerce

2.1 Analysis of Fora/Consortia Surveyed in 2008

2.1.1 List of Fora/Consortia surveyed in 2008

There are about 227 ICT fora in the world in 2008, whose detail are described in the table below.

Table 2 Fora list in China

NO	Abbreviation	Name of Fora	Object	Tech field(10)
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 pre-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 pre-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 pre-standards	Information Technology relating mainly to u-Infra SW
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
9	WAPI	WLAN Authentication	development of	Convergence

	Industry Alliance	and Privacy Infrastructure Industry Alliance	pre-standards	Infrastructure relating mainly to Broad Convergence Network
10	China Bluetooth Technical Industry Alliance	China Bluetooth Technical Industry Alliance	others	Convergence Infrastructure relating mainly to Broad Convergence Network
11	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
12	FTTX	FTTx Industry Alliance	development of pre-standards	Convergence Infrastructure
13	SBR	SCDMA broadband Forum	development of pre-standards	Convergence Infrastructure
14	CFNWTA	China fixed network and wireless terminal alliance	development of pre-standards	Convergence Infrastructure
15	IMIA	Interact media industry alliance	development of pre-standards	Convergence Services

Table3 Fora list in Korea

NO	Name of Fora	Object	Tech field(10)
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	
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	Information Technology relating mainly to Digital Contents
28	Digital Contents Forum	development of "de facto" standards	
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 u-Infra SW
32	Web Korea Forum	development of "de facto" standards	
33	Information & Telecommunication Accessibility promotion Forum	others	
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	Integrity Forum on Electronic Commerce	development of "de facto" standards	
38	Korea Bio-metric Forum	development of pre-standards	Information Technology relating mainly to Security

Table 4 Fora list in Japan

No	Name of forum	Object	Tech field
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	Other	Convergence services
6.	ICT Forum for Security and Safety	Other	Security
7.	Internet ITS Consortium	De-facto Standardization Activities	u-Computing
8.	ITS Info-communications Forum	Other	u-Computing
9.	Japan Automatic Identification System Association/ BSC Committee	Other	Information Technology
10.	Japan Electronic Payment Promotion Organization	Other	Information Technology
11.	Japan Ic Card System Application council	Other	Information Technology
12.	Marlin-DRM Users Forum Japan	Other	Convergence services
13.	Mobile Broadband Association	Implementation & Interoperability	Convergence Infrastructure
14.	Mobile Computing Promotion Consortium	Implementation & Interoperability	Convergence Infrastructure

15.	Mobile IT Forum	Other	Convergence Infrastructure
16.	Personal Handyphone System Memorandum of Understanding Group	Other	Convergence services
17.	POF Consortium	Pre-standardization Activities	Convergence Infrastructure
18.	P2P(Peer to Peer) Universal Computing Consortium	Other	Convergence Infrastructure
19.	Forum on Service Platform for Information Appliances	De-facto Standardization Activities	Convergence services
20.	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 4 Fora list in other countries

NO	Abbreviation	Name of Fora	Object	Tech field
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
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

NO	Abbrev iation	Name of Fora	Object	Tech field

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.	CABLE LABS	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.	CM-LA	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
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

NO	Abbreviation	Name of Fora	Object	Tech field
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 (Electoronic 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
41.	Future Forum	Future Forum	others	Convergence Infrastructure

NO	Abbreviation	Name of Fora	Object	Tech field
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.	IBIS	I/O Buffer Information Specification	development of “de facto” standards	Information Technology
52.	ICANN	Internet Corporation for Assigned Names and Numbers	others	Convergence Infrastructure
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 (RoboticsRobotics and Automation Society)	development of “de facto” standards	Convergence Service
56.	IEEE802	Institute of Electrical Electronics Engineers(LAN/MAN Standards Committee)	development of “de facto” standards	Convergence Infrastructure
57.	IETF	Internet Engineering Task Force	development of “de facto” standards	Convergence Infrastructure
58.	IFR	The International Federation of Robotics	others	Convergence Service

NO	Abbreviation	Name of Fora	Object	Tech field
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

NO	Abbreviation	Name of Fora	Object	Tech field
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 インターオペラビリティ協会	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 Industy 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

NO	Abbreviation	Name of Fora	Object	Tech field
90.	NFC Forum	The Near Field Communication Forum	Development of specifications in order to implement and ensure the interoperability	Convergence Infrastructure
91.	NGMN	The Next Generation Mobile Network	development of pre-standards	Convergence Infrastructure
92.	NVIOT	Network Vendors Interoperability Testing Forum	Development of specifications in order to implement and ensure the interoperability	Convergence Infrastructure
93.	OAGi	Open Applications Group Initiative	Development of specifications in order to implement and ensure the interoperability	Convergence Service
94.	OASIS	Organization for the Advancement of Structured Information Standards	development of “de facto” standards	Convergence Service
95.	OBSAI	Open Base Station Architecture Initiative	development of “de facto” standards	Convergence Infrastructure
96.	OGC	Open Geospatial Consortium Inc	development of pre-standards	Convergence Service
97.	OGF	Global Grid Forum	Development of specifications in order to implement and ensure the interoperability	Convergence Service
98.	OIF	Optical Internetworking Forum	Development of specifications in order to implement and ensure the interoperability	Convergence Infrastructure
99.	OMA	Open Mobile Alliance	development of “de facto” standards	Convergence Infrastructure
100.	OMG	Object Management Group	development of pre-standards	Information Technology
101.	OMTP	Open Mobile Terminal Platform	Development of specifications in order to implement and ensure the interoperability	Convergence Infrastructure
102.	Open IPTV Forum	Open IPTV Forum	Development of specifications in order to implement and ensure the interoperability	Convergence Infrastructure
103.	Open SAF	Open Service Availability Framework	development of “de facto” standards	Convergence Service
104.	OSGi	The Open Services Gateway Initiative	development of “de facto” standards	Convergence Service
105.	Parlay	Parlay Group	development of pre-standards	Convergence Infrastructure

NO	Abbreviation	Name of Fora	Object	Tech field
106.	PCCA	Portable Computer and Communications Association	development of “de facto” standards	Convergence Service
107.	PCISIG	Peripheral Component Interconnect Special Working Group	development of “de facto” standards	Convergence Service
108.	PCMCIA	Personal Computer Memory Card International Association	development of “de facto” standards	Convergence Service
109.	PCSC	PCSC Working Group	Development of specifications in order to implement and ensure the interoperability	Convergence Service
110.	PICMG	PCI Industrial Computer Manufacturers Group	development of “de facto” standards	Convergence Service
111.	PKI Forum	PKI Forum	others	Information Technology
112.	PLC	Power-Line Communication	development of “de facto” standards	Convergence Infrastructure
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
121.	SDR	Software Defined Radio Forum	Development of specifications in order to implement and ensure the interoperability	Convergence Infrastructure

NO	Abbreviation	Name of Fora	Object	Tech field
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

NO	Abbreviation	Name of Fora	Object	Tech field
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
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

NO	Abbreviation	Name of Fora	Object	Tech field
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

2.1.2 New/Re-named Fora

The following table consists of newly launched or re-named (Including merged, deleted) Fora in 2008.

Table5 New/Re-named fora

	Name of Fora	Month / year	Technical field
Newly Launched Forum	HomeGrid	2008.5	Converged Service
	IT Forum	2008.4	Information Technology
	NXDN Forum	2008.7	Convergence Infrastructure
	FTTx Industry Alliance	2008.10	Convergence Infrastructure
	SCDMA broadband Forum	2008.1	Convergence Infrastructure
	China fixed network and wireless terminal alliance	2008.1	Convergence Infrastructure
	TransferJ (TransferJet Consortium)	2008.7	Convergence Infrastructure
Renamed Forum (merge, delete)	DSL Forum Rename to Broadband Forum	2008.1	Converged Service

2.2 Analysis of the Objective Field

This table below shows the results of classifying and summarizing forum activities on an objective field basis. For those Fora that span multiple objective fields, only their first objective field (the highest priority in their objective fields) was used for comparison.

Table6 Categorized by the objective field

category	Field	total	Name of fora
Convergence Infrastructure	Ban	46 (20.3 %)	DSLF, 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, TDS-CDMA, Future Forum, TDIA, SCDMA, MMTA, Millimeter Wave Practical Application, MPCP, mITF,

category	Field	total	Name of fora
Information Technology	u-Infra SW	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，
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(E,N), 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, JEPPO
	Robotics	3 (1.27%)	IEEE RAS, IFR, Intelligent Robotics Forum
Total of fora		227	

And based on the data of the this table, we can illustrate the distribution of the objective field of the fora surveyed.

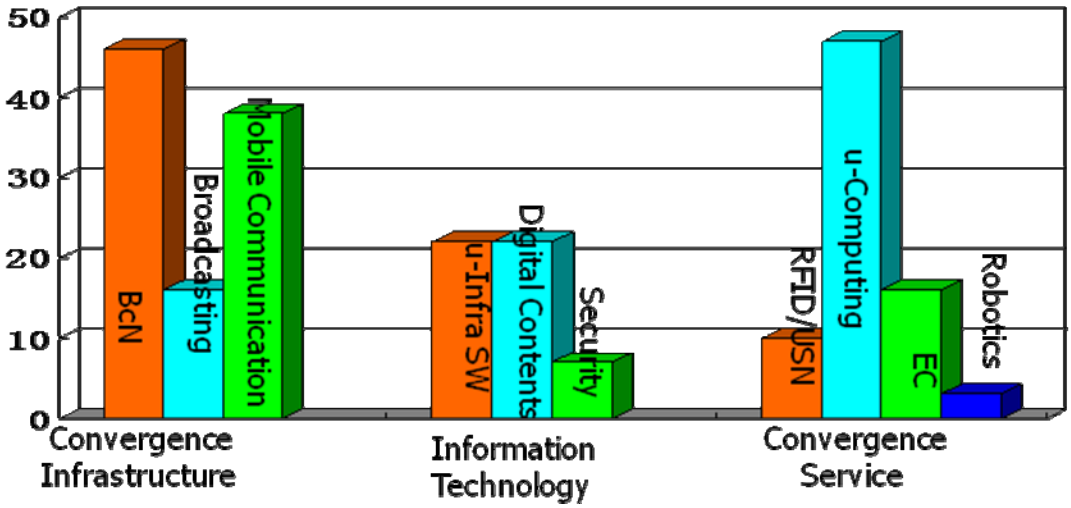


Figure 1 Statistics of for a categorized by the tech. field

2. 3 Analysis by the regions

Fora were classified into 4 regions depending on the location of the secretariat

Region	total of for a (Percentage)	Name of Fora
Europe Region	31 (13.6%)	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
North America 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

Asia 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, CFNWTA, Fttx UNF,DOPG, mITF, (Japan)
etc	2 (1%)	Open IPTV Forum, VOIPSA,
Total number of Fora	227	

2. 4 Analysis by the purpose of activity

In this report, we divide the purpose of the fora activities into 4 category：

- De facto standard: a convention, product, or system that has achieved a dominant position by public acceptance or market forces
- Pre-standardization: To produce standards which are likely to be contributed to the standard development organization
- Implementation & interoperability: specifications for implementation and ensuring interoperability
- Others: the fora which aims at future vision, market researching, consulting or enlightenment.

And according to the above dimensions, we can summarize the purpose of the fora surveyed in the table below.

Table 7 categorized by purpose of activities

purpose of activities	total	Name of Fora
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, W3C(E,N)KWISF, 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
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(E,N), 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(E,N), 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(E,N) NGMC Forum, Spectrum Engineering Forum, IABF, SCDMA, China Bluetooth Technical Industry Alliance, TDS-CDMA, ECOM, JEPPO, ICTFSS, JICSAP, PHSMoU, PUCC, Marlin, ITS Forum, JAISA/BSC, ITS Forum , SMTA,IT Forum

And based on the data of the this table, we can illustrate the distribution of the purpose of the fora activities.

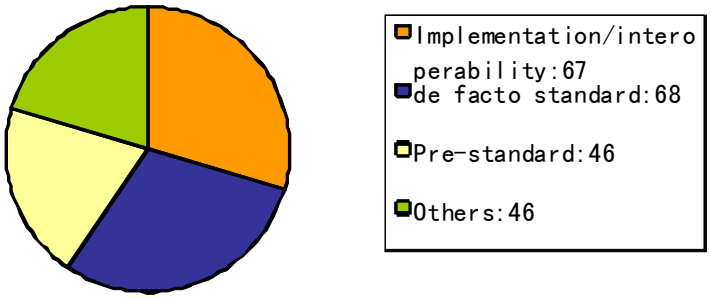


Figure2 Statistics of the active purpose of the fora

From this figure, we can see that the percentage of the Implementation & Interoperability and De-facto Standard total up to nearly 60% of the active purpose, therefore, we can conclude the fact that to make some implementable standards which related to the “facts” is the main purpose of the fora’s activities.

3 Topic- A study on Home Network Standardization

3.1 Overview

Concept of home network involves telecommunication, consumer electronics and IT. From the point of view of service provision, information service provider, network operator and residential property are involved. From the point of view of products, network equipments and terminal manufacturers, chipset vendors, software vendors and consumer electronics manufacturers are involved. Different industries also have different understandings of home network, as tabulated in Table .

Table 8 Industries and home network

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 test in 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, trip-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:

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. So home network contains 4 factors: customer requirements, devices, network, services and applications. Every factor varies with different customers and with different periods.

3.2 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 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 of China, focus on the interconnecting of home network and public network. In ITU-T, SG9 entered the area of home network first. SG9's work mainly centers on

CATV, so the recommendations related to home network published by ITU-T are concerned with CATV systems, 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 of China 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, LonMark International. These organizations have released some standards on home control and monitor.

Figure shows the relationship between different home network-related standardization organizations.

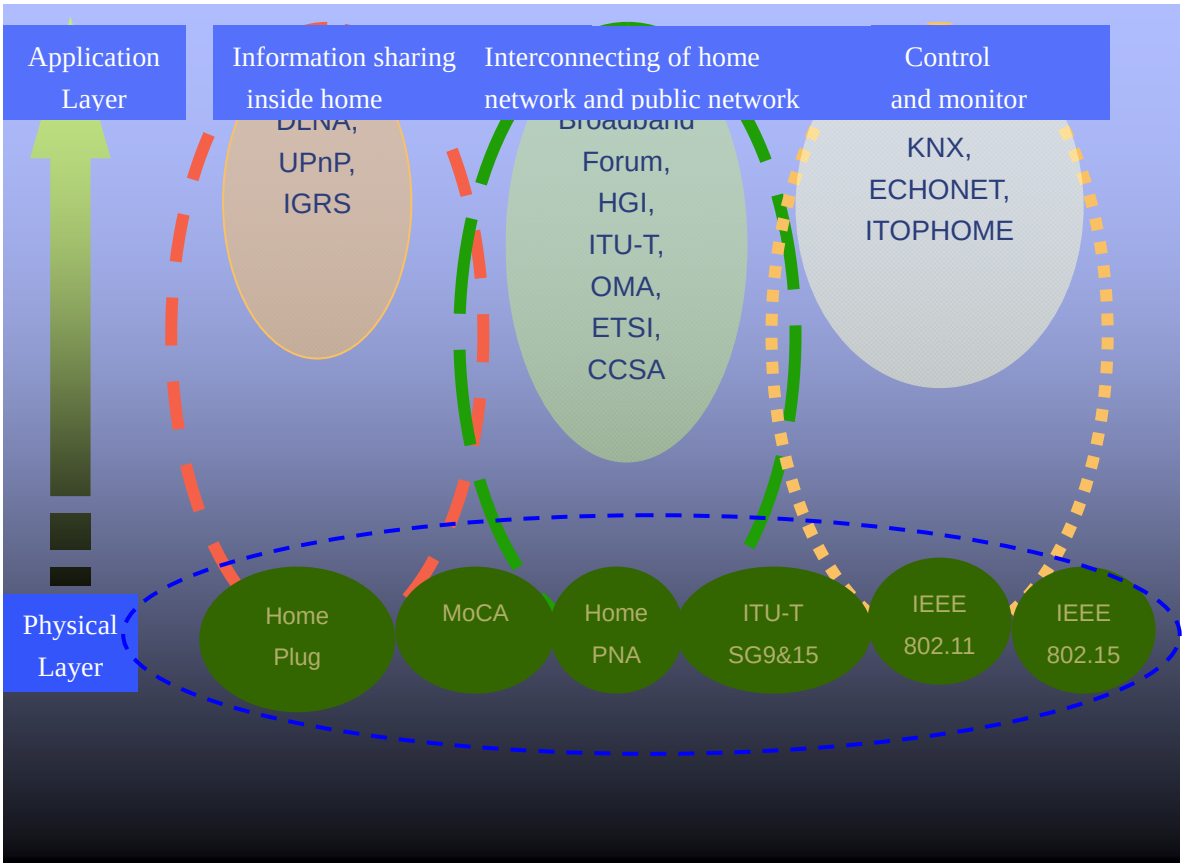


Figure 3 Relationship between home network-related standardization organizations

3. 2. 1 Broadband Forum

3. 2. 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 contributes 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

3.2.1.2 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.

3.2.1.3 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 be considered as the de facto remote management standard. Much follow-up work of Broadband Forum related to the home network is based on TR-069.

3. 2. 2 HGI

3. 2. 2. 1 Introduction

HGI, abbreviation for Home Gateway Initiative, launeded 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 the 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

3. 2. 2. 2 Objectives and work scope

HGI aims to:

1. Produce and downstream requirements for a residential gateway enabling end to end delivery of services.
2. Work with manufacturers in order to leverage volumes, to validate with manufacturer against uses cases and requirements, to ensure interoperability.
3. Take as a basis the work undertaken within existing bodies (such as ITU H610, Broadband Forum, DLNA, OSGi Alliance ...) and will analyse gaps with respects to its requirements.

HGI will contribute to appropriate standards bodies and especially to an organization as the ITU-T.

3. 2. 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 late, only a few documents are available now, includes:

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

3. 2. 3 ITU-T

3. 2. 3. 1 Introduction

In ITU-T, SG9 entered the area of home network first. SG9's work mainly centers on CATV, so the recommendations related to home network published by ITU-T are concerned with CATV systems,

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 are interested in the research of home network all over the world, initiated and organized by SG9, 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, 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 co-ordinates activity on Home Networking across all the relevant ITU-T SGs, including SG5, SG9, SG12, SG13, SG15, SG16, SG17.

3. 2. 3. 2 Objectives and work scope

ITU-T is a standardization organization on telecommunication, so the home networking ITU-T studies mainly concerns about connection with public telecommunication netwrok. ITU consider the home network as the last part of the end-to-end telecommunication network, and how to define, design and specify this part of network to provide various services are main purpose of ITU-T’s work on home networking. The scopes of Study Groups related to home networking are listed as below.

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

SG9: Responsiblef for studies related to use of cable and hybrid networks, primarily designed for television and sound 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 Recommendations on 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 relating to the requirements, architecture, evolution and

convergence of future networks, including convergence of fixed and mobile networks.

SG15: Responsible for the development of standards on 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 the customer premises, access, metropolitan and long haul sections of communication networks. Study Group 15 is the home of standards for DSL. It also works on optical access and backbone technologies, and has also plays a leading role in the development of standards for passive optical networks (PON).

SG16: Study Group 16 leads the ITU-T work on 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: Work on telecommunication security continues to intensify to meet today's challenges for more secure network infrastructure, services and applications.

3. 2. 3. 3 Standards related to home network

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

- 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

3. 2. 4 OMA

3. 2. 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 totally has 281 members.

Website: http://www.openmobilealliance.org

3.2.4.2 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:

1. Deliver high quality, open technical specifications based upon market requirements that drive modularity, extensibility, and consistency amongst enablers to reduce industry implementation efforts.
2. Ensure OMA service enabler specifications provide interoperability across different devices, geographies, service providers, operators, and networks; facilitate interoperability of the resulting product implementations.
3. Be the catalyst for the consolidation of standards activity within the mobile data service industry; working in conjunction with other existing standards organizations and industry fora to improve interoperability and decrease operational costs for all involved.
4. 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.

3.2.4.3 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

3.2.5 OSGi

3.2.5.1 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 manufacuturers, 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

3.2.5.2 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 oper service platform, so relieves the vendors from the work of servie development, deployment and operation. The relationship between OSGi specification and others is illustrated in Figure.

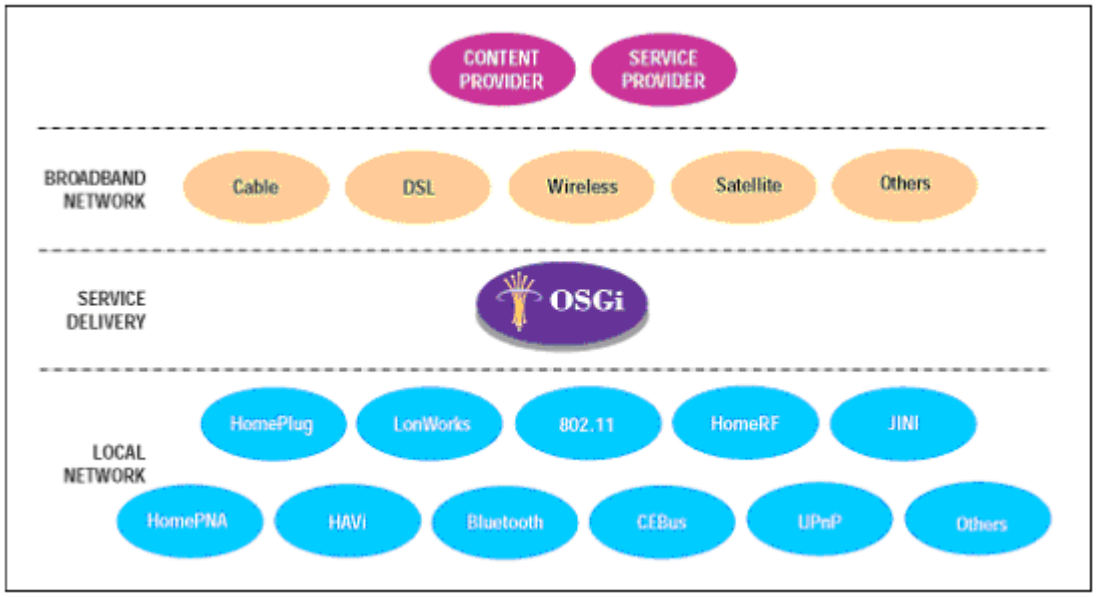


Figure4　Relationship between OSGi specification and others

3. 2. 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.

3. 2. 6　ETSI

3. 2. 6. 1　Introduction

The European Telecommunications Standards Institute (ETSI) produces globally-applicable standards for Information and Communications Technologies (ICT), including fixed, mobile, radio, converged, broadcast and internet technologies. ETSI is a standard organization with more almost 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 (TB) and a Secretariat. Some TBs are engaged in the standardization work related to home network, including Technical Committee (TC) Access, Terminals, Transmission & Multiplexing (ATTM), TC Powerline Telecommunications (PLT), TC Telecommunications & Internet converged Services & Protocols for

Advanced Networks (TISPAN) etc.

Website: http://www.etsi.org

3.2.6.2 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 Service, PSTN) and Broadband over Cable Access Television (CATV). 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.

3.2.6.3 Standards related to home network

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

- TS 101 952-2 Access network xDSL transmission filters; Part 2: VDSL splitters for European deployment
- TS 102 220 Technical specification : 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 interfaces 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

3.2.7 UPnP

3.2.7.1 Introduction

The UPnP Forum 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

3. 2. 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.

3. 2. 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
  - MediaServer:3
  - MediaServer:2 and MediaRenderer:2
  - MediaServer:1 and MediaRenderer:1
- Basic
  - Basic Device:1
- Home Automation
  - Digital Security Camera:1
  - HVAC:1
  - Lighting Controls:1

- Networking
  - Internet Gateway:1
  - WLAN Access Point:1
- Printer
  - Printer Enhanced:1
  - Printer Basic:1
- Remoting
  - Remote UI Client:1 and Remote UI Server:1
- Scanner
  - Scanner:1
- Device Security:1 and Security Console:1
- Low Power:1
- Quality of Service:3
- Quality of Service:2
- Quality of Service:1

3.2.8 DLNA

3.2.8.1 Introduction

Digital Living Network Alliance(DLNA) began 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 (PC), 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

3.2.8.2 Objectives and work scope

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

3.2.8.3 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.

3.2.9 MoCA

3.2.9.1 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

3.2.9.2 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.

3.2.9.3 Standards related to home network

The MoCA 1.0 MAC/PHY spec 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 Mpbs to 175 Mpbs. This new extension also increases the network from the current eight nodes to 16 nodes.

3.2.10 HomePlug

3.2.10.1 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

3.2.10.2 Objectives and work scope

The Alliance's mission 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.

3. 2. 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 datarate 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 & Control (HPCC) — Released October 9, 2007 — It's a low-speed, very low-cost technology intended to complement the alliance's higher-speed powerline communications technologies. The specification enable advanced, whole-house control of lighting, appliances, climate control, security and other devices.

3. 2. 11 HomePNA

3. 2. 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 – and drive – 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), a leading global standards body. 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

3. 2. 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.

3.2.11.3 Standards related to home network

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

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

3.2.12 IEEE

The Institute of Electrical and Electronics Engineers or 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 .

3.2.13 KNX Association

3.2.13.1 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 – 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 also service providers (utilities, telecom …) can become a member of the KNX Association. KNX now has 152 members/manufacturers including: ABB, Siemens, Jung etc.

Website: http://www.knx.org

3.2.13.2 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.

3.2.13.3 Standards related to home network

KNX is approved as:

- International Standard (ISO/IEC14543-3)
- European Standard (CENELEC EN50090 and CEN EN 13321-1 and 13321-2)
- Chinese Standard (GB/Z 20965)
- ANSI/ASHRAE Standard (ANSI/ASHRAE 135)

3.2.14 LonMark International

3.2.14.1 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, sunblinds, 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

3.2.14.2 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.

3.2.14.3 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 signaling technology, power line signaling technology, and Internet Protocol (IP) compatibility standard numbers ISO/IEC 14908-1, -2, -3, and -4.

3.2.15 ECHONET

3.2.15.1 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

3.2.15.2 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.

3.2.15.3 Standards related to home network

ECHONET Specifications：

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

3.3 Home network-related Standardization Organizations in China

3.3.1 CCSA

3.3.1.1 Introduction

China Communications Standards Association (CCSA) is a non-profit legal person organization

established by enterprises and institutes in China for carry out standardization activities in the field of Information and Communications Technology (ICT) across China. CCSA is organized with the approval of MII and registration in the Ministry of Civil Affairs.

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

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

3.3.1.2 Objectives and work scope

Special Task Group of Home Network is responsible for making short-term arrangements for standardization of home network, drafting and examinating domestic industry standards, carrying out corresponding research to International Standardization Organizations and participating their standardization activities. At present, the workgroup 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 workgroup 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.

3.3.1.3 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 developing includes:

- 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

3. 3. 2 IGRS

3. 3. 2. 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

3. 3. 2. 2 Objectives and work scope

The main purpose of IGRS is to develop a standard that allows the 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.

3. 3. 2. 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.

3. 3. 3 ITOPHOME

3. 3. 3. 1 Introduction

Home Network Standard Industrialization Alliance (ITOPHOME) which initiated by the Ministry of Information Industry and the former Economics and Trade Commission of China In the end of 2000, is a non-for-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

3. 3. 3. 2 Objectives and work scope

The purpose of ITOPHOME is to make fully 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.

3.3.3.3 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)

3.4 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. And because IEEE, ETSI and ITU-T are organizations with extensive research areas and we can not count the members participated in the standardization activities related to home network, we just simply classify them into very large size organizations.

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

Table 7 Analysis according to the number of members

Scale	List of organizations	Total
Small size	HomePNA, ITOPHOME	2
Medium size	HGI, OSGi, MoCA, HomePlug, ECHONET	5
Large size	Broadband Forum, OMA, DLNA, KNX, CCSA, IGRS	6

Very lare size	ETSI, UPnP, ITU-T, IEEE, LonMark	5

3.5 Analysis of the HN-related fora

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

Unlike other telecommunication technologies, the home network is exceptional for crossing some different inductries, such as IT, telecommunication and consumer electronics, and each of them has different understanding on HN, which is likely to result in some technical gaps in the standardization. For example, the fora of consumer electronics is focusing on the TV and cable technologies and telecommunication fora is focusing on the broadband access technologies. And in the HN area, those standards are begun with de-facto, most of which were initiated by some major manufactures and operaters. Therefore, one of the inevitable consequences is that the products conformed to the different standard systems can not 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 became the de-facto standards at this aspect. One of the example is the remote control specifications in TR-069, which are widely realized in the related manufactures, and at the same time, are also adopted by the other fora in their own standardiztions. And 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 standardiztion of the cosumer electronics and HN-related mobile devices, and many manufactures in this area have been take the homologation tests of the DLNA. Therefore, we can see that to some extend, the HN-related technologies has been led by the de-facto standards, and in order to achieve a better interworking, some of the fora are also working on the interoperability/implementation standards,such as DLNA and UPnP. However, for the purpose at present, we find that those interoperability/implementation are inclining to be partial in a sort of way.

As we know, as the rapid development of the HN-related technologies, the standardiztion work are progressed fast. Whereas, we find that there are still some issues which need a further study or perfection, such as the gap analysis of the inside home networking and public networking (including

the automatic configuration and management, neighbor interfere and information leaking in the wireless environment and so on), as well as the innovation of the HN-related technologies and services.

And based on the above facts, we suggest that in order to avoid the isolation of the different fora, we should be able to harmonize the related standards which can make the products more implementable and interoperable. Therefore, as the migration of the HN technologies and the different de-facto standard systems, and meanwhile taking the standard progress into consideration, we propose in this report that the Standard Organizations can undertake the responsiblities of the harmonization of the different de-facto standards.

4 Discussion on the activity purpose of the fora

The number of fora surveyed in this report is 227, which is increasing with years. And from the statistical data, we can find that the standardization is getting more and more active among those fora. However, since every fora is consisted of different members, which make each fora may have different understanding towards a certain area. Therefore, how to harmonize different standardizations is a crucial issue to deal with the implementation conflictions among those standard.

It is well-know that the standard can be categorized into two types: one is the de jure standards, and the other is the de-facto standard. De jure is an expression that means "concerning law", as contrasted with de facto, which means "concerning fact".

As we know that the De-jure standard organizations include ISO, IEC, ITU, CCSA, TTA,TTC and so on. Those de-jure organizations are all government-backed and authorized, which can represent the development level of the ICT industry.

In virtue of that, the de-jure standard organization is established with efficient operation methods, and accumulates lots of experiences during the standardization works. Their standardization is based upon the rules of justice and openness. It means that everyone has the chance to participated in the standardizations research, besides, the openness can also be find in the standardization procedure, which is in the sequence as the follows: proposal of the work item, researching by the study group, drafts contributing, consent of the drafts, approval of the standards, publishing and confirmation of the standards. And in order to welcome more participants to discuss a certain topic, the de-jure

organization can summon the related forums or the manufacture alliances to work on the standard together.

In contrast, A de facto standard is a custom, convention, product, or system that has achieved a dominant position by public acceptance or market forces (such as early entrance to the market). The standardization procedure of different fora is not the same, but one common thing is most of the standards were discussed and produced inside the fora, which lack of the related industry-level information from the Standardization Organization. And from the data we can observe that in 2008, the de-facto and interoperability (also related to “fact”) account for nearly 60% of the fora activities, which shows that the fact-related standardization is became the main purpose of the fora activities.

Compared with the de-jure, the de-facto standards is more flexible, and can reflect the latest technologies more quickly. The fora aimed at de-facto standardization always comprise the members of the common interests, therefore, they have a precise goal of the standardization. And since there is few adverse opinions, the standardazation procedure is efficient. However,one notable limitatation of the de-facto fora is that since the standardization is not carried out by the professional standardization stuff, therefore, there might have some problems on the preciseness, managements and maintainance of the standards. In addition, the de-facto standards is produced by some major vendors, operators who are predominant in some specific areas, therefore, it is inevitable that the standard will have some partialness. And because of this dominant, some advanced technologies will be excluded to be adopted in the implementation. And sometims, it can result in some interoperabilities issues. In addition, the restriction on competition might becomes an obstacle of the migration of the new technologies and development of the industries.

Some of the de-facto fora are focus on the homologation tests, based on those de-facto standard, they will issue certificate to those products which are conformed to their standard. Actually this kind of homologation test should be carried out with the instruction of the standard organization to guarantee the objectivity, justice and standard of the certification. On the other hand, because of the nature of the de-facto standards, more or less the test performed by the fora will have some limitations in sort of way.

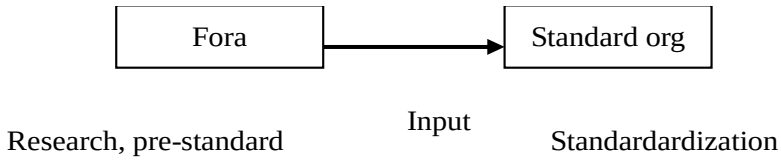
Since the de-jure standard organization is governments-backed and authorized, and accumulate lots of experience from the extended standardizations, therefore its standards can reflect the industry

level and the development strategy of the country. In this way, the de-jure standardization activities can help to accelerate the development of the industry.

Base on the above analysis, we considered that if the de-facto standardization activities can be carried out with the instructions, industry-level information, and coordination of the de-jure standard organization, it might be a good complementary to their productions.

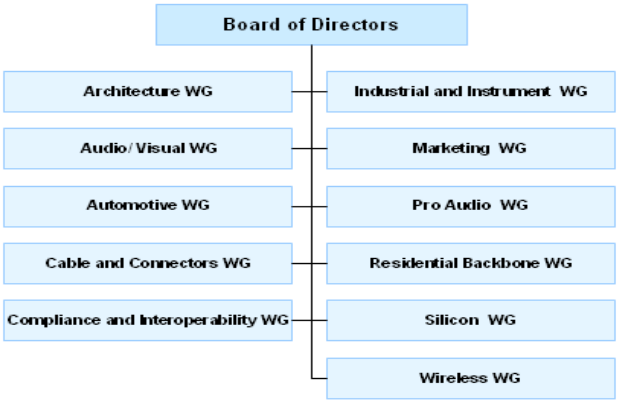
Admittedly, the fora or manufacture alliance take a very important role of market exploration, technology updating, and new tech researches , besides their standardization work can always reflect the latest technologies. However, in order to avoid those limitations we discussed previously, we propose that the de-facto fora can cooperate with the de-jure standard organization. By this means, the de-jure standardization can exert its authorizations and attract more participants, by which it can harmonize the related de-facto standardization efforts.

Based on the above discussion, we suggest a work method between the fora and the de-jure standard organization, which illustrated in the figure below.

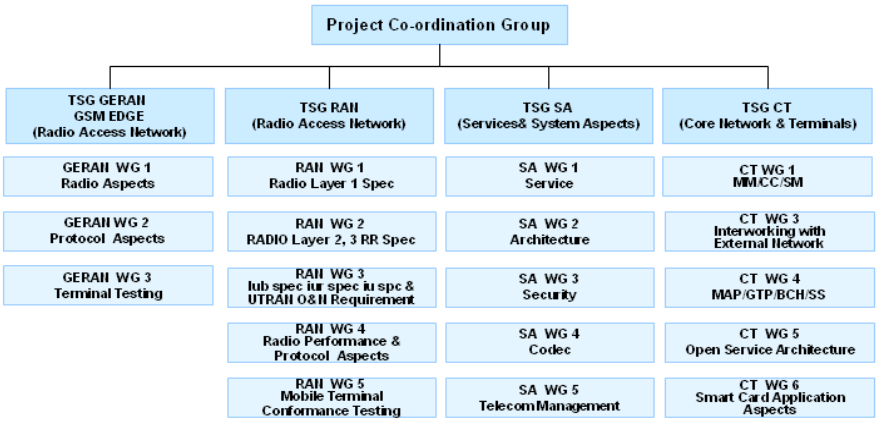


In this way, the fora will focus on the new technologies research and pre-standardization, which will be inputted into the standard organization eventually. In turn, the standard organization will be in charge of the collection of the comments/suggestions from a wide range of participants, and then at last harmonize the standards from the industry's point of view.

Appendix: Details of Fora

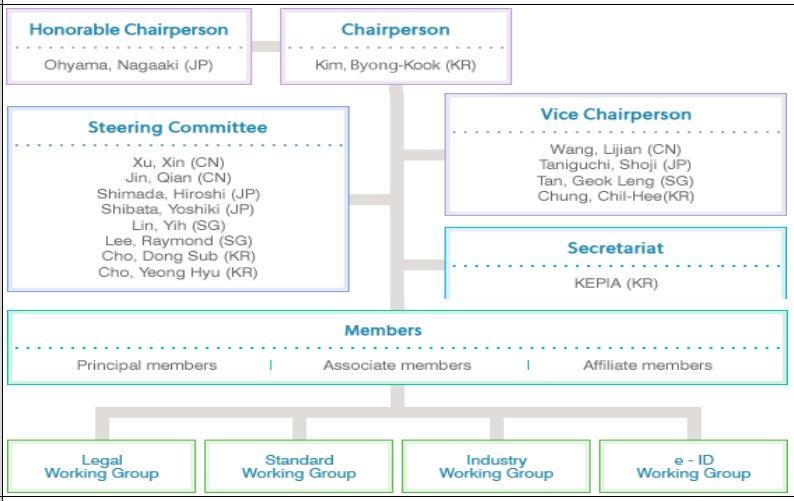
<table>
<tr><td>Name of Forum</td><td colspan="3">1394TA(1394 High Performance Serial Bus Trade Association)</td></tr>
<tr><td>Active Purpose</td><td>development of specifications in order to implement and ensure the interoperability</td><td>Established Date(mm/yyyy)</td><td>1994</td></tr>
<tr><td>Object field</td><td colspan="3">o Convergence services relating mainly to u-Computing Including Home-networking Intelligent Transport System and PC etc</td></tr>
<tr><td>Organizational Structure</td><td colspan="3"> 
</td></tr>
<tr><td>Core Activities</td><td colspan="3">o Mission
- 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.
o Work Group Characteristics and Deliverables
- 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</td></tr>
<tr><td>2007 Results</td><td colspan="3">o Progressing and/or completed Technology Standards(specifications)
- IEEE1394-1995(Base Document), 1394a-2000, 1394b-2002, 1394.1-2004
- 3.2 Gigabit per Second Speed for FireWire(Dec.2007)</td></tr>
<tr><td>Membership And Fees</td><td colspan="3">o Annual membership fee:
o total number of members: 170
o Names of main members and their countries
- APPLE Computer, TEXAS Instrument, Sony, Intel, Microsoft, JVC, Matsushita, Compaq, NEC, Philips, Samsung</td></tr>
<tr><td>Cooperative Relationships</td><td colspan="3">o N/A</td></tr>
<tr><td>IPR policy</td><td colspan="3">o Availability</td></tr>
<tr><td>Contact Point</td><td colspan="3">o Office location(city/country)
- 1394 Trade Association 1560 East Southlake Blvd, Suite 242 Southlake, TX 76092, USA
o URL and telephone number</td></tr>
</table>

	- URL: http://www.1394ta.org, TEL: 817-416-2200

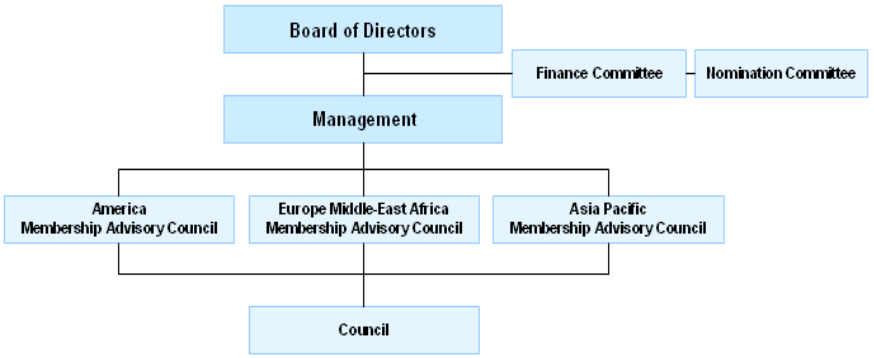
Name of Forum	3GPP(3rd Generation Partnership Project)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1998.12
Object field	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			
Core Activities	o Mission - to produce globally applicable Technical 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) o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - HSPA, HSPA+(High Speed Packet Access plus)		
Membership and Fees	o Annual membership fee: o total number of members: 273 o Names of main members and their countries - ETSI: 210, ARIB: 23, TTC: 8, ATIS: 16, CCSA: 9, TTA: 7		
Cooperative Relationships	o 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	o -		
Contact Point	o Office location(city/country) - ETSI, Mobile Competence Centre, 650, route des Lucioles, 06921 Sophia-Antipolis Cedex, France o 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(mm/yyyy)	1999.1
Object field	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			
Core Activities	o Mission - is a collaborative third generation (3G) telecommunications specifications-setting project - is comprising 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 o 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	o Progressing and/or completed Technology Standards(specifications) - EVDO Rev B, UMB(EVDO Rev C)		
Membership and Fees	o Annual membership fee: o total number of members: 80 o Names of main members and their countries - TIA: 53, ARIB: 6, TTC: 6, CCSA: 5, TTA: 10		
Cooperative Relationships	o CDG, IPv6 Forum, 3GPP, ITU		
IPR policy	o N/A		
Contact Point	o Office location(city/country) - Telecommunications Industry Association 2500 Wilson Blvd., Suite 300 Arlington, VA 22201 o 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(mm/yyyy)	2000. 6. 9
Object field	o Convergence services relating mainly to Electronic Commerce		
Organizational Structure			
Core Activities	o Mission - 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) o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - PSAM (Purchase Secure Application module) - SSID (Standard of Smart ID)		
Membership and Fees	o Annual membership fee: Free o total number of members: 4 o Names of main members and their countries - ICCR(china), NISCC(JAPAN), IDA(SINGAPORE), KEPIA(KOREA)		
Cooperative Relationships	o N/A - Participate in u-payment Forum(Korea)		
IPR policy	o Unavailable		
Contact Point	o Office location(city/country) -12th Floor, SAMGONG Building 136, Cheongjin-dong, Jongno-gu, Seoul, 110-130, Korea o URL and telephone number - URL: http://asiaiccardforum.org, TEL: +82-2-734-0563 ~ 5		

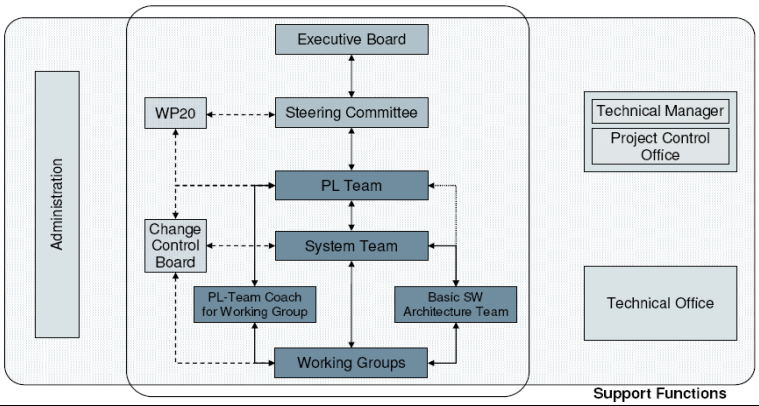
Name of Forum	AIM(Association for Automatic Identification and Mobility)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	2003
Object field	o Convergence services relating mainly to RFID/USN		

Organizational Structure	 그림 : http://www.aimglobal.org/aboutaim/structure.asp 참조
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - RFID Expert Group: to facilitating 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	o Progressing and/or completed Technology Standards(specifications) - Reference: http://www.aimglobal.org/standards/aimpubs.asp
Membership and Fees	o Annual membership fee: - o total number of members - Global Chapter: 13, GLOBAL Members: 60 o Names of main members and their countries - Electronic Tracking Systems, Johnson & Johnson, Philips Semiconductors, Siemen
Cooperative Relationships	o ISO/IEC JTC1 SC31, GS1 etc
IPR policy	o N/A
Contact Point	o Office location(city/country) - AIM Global 125 Warrendale - Bay ne Road Warrendale, PA 15086, USA o URL and telephone number - URL: http://www.aimglobal.org, TEL: +1 724 934 4470

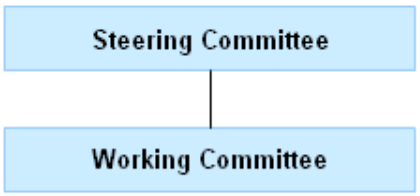
Name of Forum	ATSC(Advanced Television Systems Committee)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1982
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure	
Core Activities	o 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 o 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	o Progressing and/or completed Technology Standards(specifications) - ATSC Standard of Mobile and Handheld (2007)
Membership and Fees	o Annual membership fee: o total number of members: 143 o Names of main members and their countries - ETRI, Hitachi, Sony
Cooperative Relationships	o ITU, CEA, NAB, NCTA, SMPTE etc.
IPR policy	o N/A
Contact Point	o Office location(city/country) - 1750 K Street NW Suite 1200 Washington, DC 20006, USA o URL and telephone number - URL: http://www.atsc.org, TEL: +1-202-872-9160

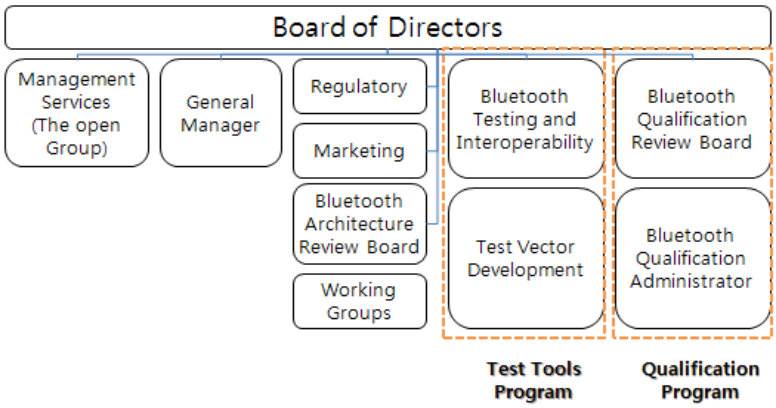
Name of Forum	AUTOSAR(Automotive Open System Architecture)		
Active Purpose	others	Established Date(mm/yyyy)	2003. 07
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - Fulfillment of future vehicle requirements, such as, availability and safety, SW upgrades/ updates and maintainability o 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	o Progressing and/or completed Technology Standards(specifications) - Specification of Virtual Functional Bus - Reference: http://www.autosar.org/find02_07.php
Membership and Fees	o Annual membership fee: Core partener, Premium member(Euro 15,000), Associate Member(Euro 7,500) o total number of members: 117 o Names of main members and their countries - BMW, BOSCH, Ford, TOYOTA, SIEMENS VDO
Cooperative Relationships	o N/A
IPR policy	o Availability
Contact Point	o Office location(city/country) - GbR Frankfurter Ring 127 D-80807 Munich o URL and telephone number - URL: www.autosar.org, TEL: +49 89 14 32 59 17

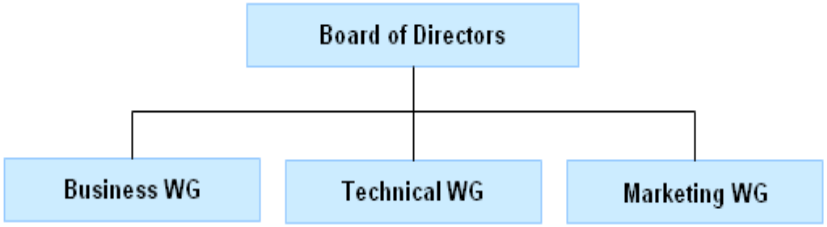
Name of Forum	Bio API Consortium		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1998.4
Object field	o Information Technology relating mainly to Security		

Organizational Structure	 그림 : http://www.bioapi.org/membershipagreement.html 참조
Core Activities	o Mission - To develop a widely available and widely accepted API that will serve for various biometric technologies o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - Bio API v2.0
Membership and Fees	o Annual membership fee: o total number of members: 163 o Names of main members and their countries - Acsys Biometrics USA, Inc. Hewlett Packard (HP), National Institue of Standards (NIST)
Cooperative Relationships	o ISO/IEC JTC1 SC37, ANSI, NIST etc
IPR policy	o N/A
Contact Point	o Office location(city/country) - MS 5581W 11491 Sunset Hills Rd Reston, VA 20190 USA o URL and telephone number - URL: http://www.bioapi.org, TEL: +1 (703) 579-3064

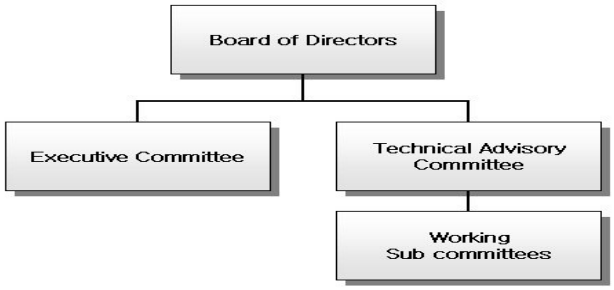
Name of Forum	Bluetooth SIG(Special Interest Group)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1998.9
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o Mission - To available 2.4GHz(ISM band), develop and disseminate Bluetooth specs. - Technological development for short distance links including small-sized and low-priced mobile PCs and mobile telephones o Work Group Characteristics and Deliverables - Regulatory WG: performed/analyzed the radio regulation in the world - Marketing WG: disseminate Bluetooth specs. - Qualification Review WG: development authentication program relation to Bluetooth Equipment
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Wireless Connectivity Asia, 29-30 Nov. 2007
Membership and Fees	o Annual membership fee: Associate members: eligible to use specs in draft stages and make comments.annual dues: companies with annual revenue of more than $ 100M: $ 35,000, companies with annual revenue of less than $ 100M: $ 7,500 o total number of members: 500 o Names of main members and their countries - Agere Systems (USA), Ericsson (Sweden), Intel (USA), Lenovo (China), Microsoft (USA), Motorola (USA), Nokia (Finland), Toshiba (Japan)
Cooperative Relationships	o Liaison/MoU: IEEE802.15
IPR policy	o Available
Contact Point	o Office location(city/country) - Bluetooth SIG, Inc. - Bellevue, Washington 500 108th Avenue NE Suite 250 Bellevue, WA 98004, USA o URL and telephone number - URL: http://www.bluetooth.org, TEL: 425.691.3535

Name of Forum	BSF(Broadband Services Forum)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2004
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure	
Core Activities	o Mission - Fosters collaboration across the broadband value chain including content, service and technology providers o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - In 2007 the Broadband Services Forum will focus on 4 key areas (Home Networking, Advanced Applications, IPTV/Monetizing IP Traffic, Content)
Membership and Fees	o Annual membership fee: Principal Membership($4,500 USD~$10,000 USD, Associate Membership($3,000 USD) o total number of members: 16 o Names of main members and their countries - Alcatel-Lucent, BT, Notel, Siemens
Cooperative Relationships	o TBD
IPR policy	o Available
Contact Point	o Office location(city/country) - Fremont California USA o URL and telephone number - URL: http://www.broadbandservicesforum.org, TEL: +1-510-608 5913

Name of Forum	CableLabs		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1988
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

<table>
<tr><td>Organizational Structure</td><td colspan="3"> 
</td></tr>
<tr><td>Core Activities</td><td colspan="3">o Mission
- Dedicated to pursuing new cable telecommunications technologies

o Work Group Characteristics and Deliverables
- 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: Investigating the distribution of content assets from multiple content providers sent over diverse networks to cable operators
- Advanced Advertising: to create new revenue opportunities around advanced advertising technologies.
- CableHome: Developing the interface specifications necessary to extend high-quality cable-based services to network devices within the home.</td></tr>
<tr><td>2007 Results</td><td colspan="3">o Progressing and/or completed Technology Standards(specifications)
- DOCSIS3.0, OCAP</td></tr>
<tr><td>Membership and Fees</td><td colspan="3">o Annual membership fee:
o total number of members: 48
o Names of main members and their countries
- Cable America Corporation. Cable de Tula, S.A. de C.V. (“Cablemas”) (Mexico), Campbell River TV Association (“CRTV”) (Canada), FamilyView Cablevision</td></tr>
<tr><td>Cooperative Relationships</td><td colspan="3">o N/A</td></tr>
<tr><td>IPR policy</td><td colspan="3">o Available</td></tr>
<tr><td>Contact Point</td><td colspan="3">o Office location(city/country)
- 858 Coal Creek Circle, Louisville, CO 80027-9750, USA

o URL and telephone number
- URL: http://www.cablelabs.com, TEL: +1-303-661-9100</td></tr>
<tr><td>Name of Forum</td><td colspan="3">CDG(CDMA Development Group)</td></tr>
<tr><td>Active Purpose</td><td>others</td><td>Established Date(mm/yyyy)</td><td>1993.12</td></tr>
<tr><td>Object field</td><td colspan="3">o Convergence Infrastructure relating to Mobile Communication</td></tr>
</table>

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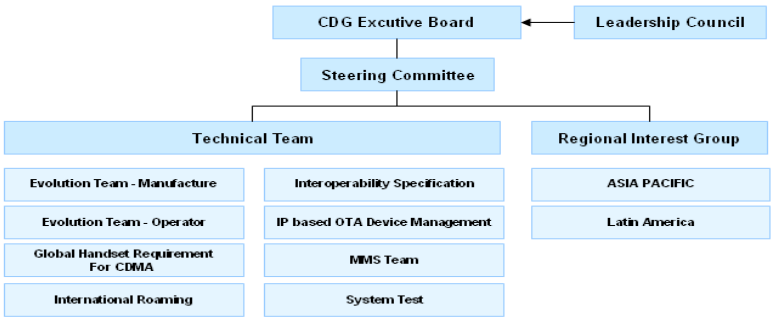
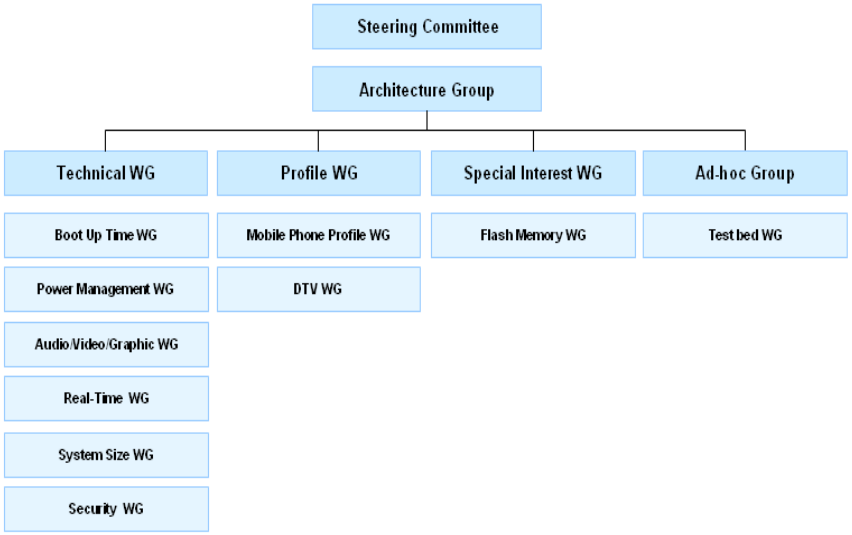
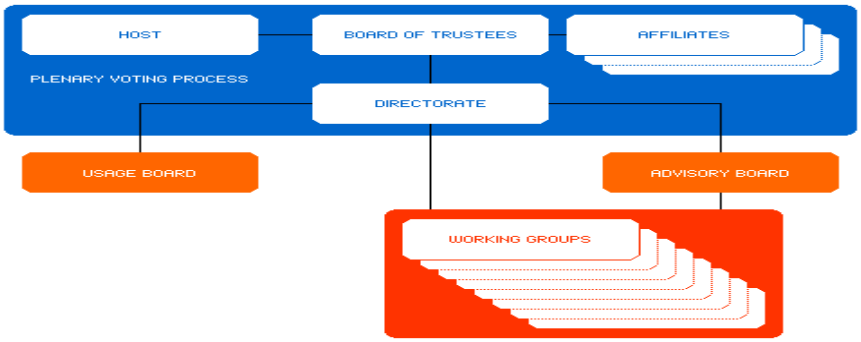
<tr><td>Organizational Structure</td><td> 
</td></tr>
<tr><td>Core Activities</td><td>o Mission: To lead the rapid evolution and deployment of 3G CDMA-based systems, based on open standards and encompassing all core architectures, to meet the needs of markets around the world
- Accelerate the definition 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

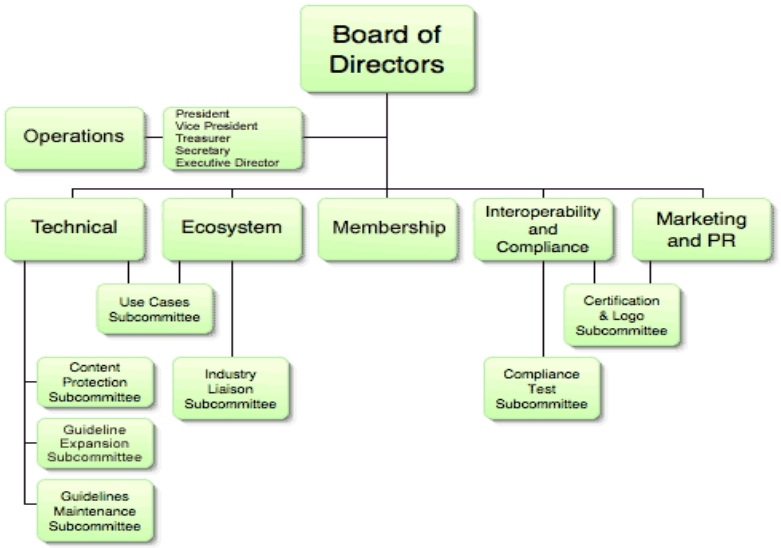
o Work Group Characteristics and Deliverables
- Global Handset Requirements for CDMA (GHRC): develops device and application requirements documents for use by CDMA operators and their terminal suppliers
- Technical Teams: development of CDMA2000 advanced features and services
- Regional Interest Groups: to further cdma One and CDMA2000 deployment in specific geographic regions</td></tr>
<tr><td>2007 Results</td><td>o Progressing and/or completed Technology Standards(specifications)
-</td></tr>
<tr><td>Membership and Fees</td><td>o Annual membership fee: Principal Member($ 4,500~ 10,000 USD), Associate Member($ 3,000 USD)
o total number of members: 124
o Names of main members and their countries
- China Unicom, KDDI, QUALCOMM, Motorola, Nokia Sony Electronics</td></tr>
<tr><td>Cooperative Relationships</td><td>o ITU, 3GPP2, ARIB(JAPAN), CWTS(CHINA), TIA(USA), TTA(KOREA) AND TTC(JAPAN)</td></tr>
<tr><td>IPR policy</td><td>o TBD</td></tr>
<tr><td>Contact Point</td><td>o Office location(city/country)
- CDMA Development Group 575 Anton Blvd., Ste. 560 Costa Mesa, California 92626 United States

o URL and telephone number
- URL: http://www.cdg.org, TEL: +1-888-800-CDMA</td></tr>
<tr><td>Name of Forum</td><td colspan="3">CELF(Consumer Electronics Linux Forum)</td></tr>
<tr><td>Active Purpose</td><td>development of specifications in order to implement and ensure the interoperability</td><td>Established Date(mm/yyyy)</td><td>2003.6</td></tr>
<tr><td>Object field</td><td colspan="3">o Information Technology relating mainly to u-Infra SW</td></tr>
</table>

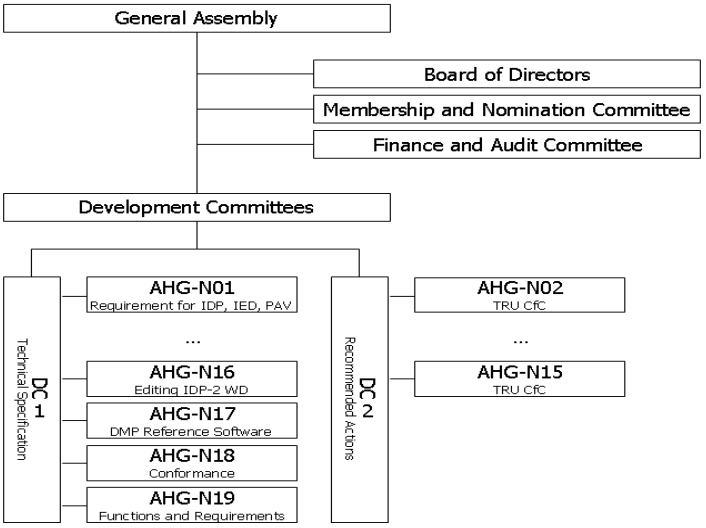
Organizational Structure			
Core Activities	o Mission - to preserve and present information about the use of Linux in embedded systems - The primary target audience is developers, engineers, managers, hobbyists and others who are involved with putting Linux into embedded systems.		
2007 Results	o Progressing and/or completed Technology Standards(specifications) -		
Membership and Fees	o Annual membership fee: Founding Member($16,000USD), Associate Member($12,000 USD), Associate Member($8,000 USD), Supporting Member($4,000 USD), o total number of members: 55 o Names of main members and their countries - Sony, Matsushita, IBM, NEC, Philips		
Cooperative Relationships	o -		
IPR policy	o available(Royalty Free)		
Contact Point	o Office location(city/country) - 3855 SW 153rd Drive Beaverton, OR 97006 o URL and telephone number - URL: http://celinuxforum.org, TEL: +1-503-619-0855		
Name of Forum	DCMI(Dublin Core Metadata Initiative)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1995.3
Object field	o Information Technology relating mainly to Digital Contents		

Organizational Structure	
Core Activities	o Mission - DCMI is engaged in the development of interoperable online metadata Standards that support a broad range of purposes and business models. o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: Silver Partner ($3,000 USD), Gold Partner($5,000 USD), platinum Partner($10,000 USD) o total number of members: o Names of main members and their countries -The National Library of Korea, National Library of New Zealand. Archives New Zealand State Services Commission, MLA - Museums, Libraries and Archives Council
Cooperative Relationships	o W3C. IETF, NISO
IPR policy	o N/A
Contact Point	o Office location(city/country) -OCLC Online Computer Library Center, Inc. 6565 Frantz Road Dublin, OH 43017-3395 USA o URL and telephone number - URL: http://dublincore.org, TEL: +1-614-764-6000, 1-800-848-5878

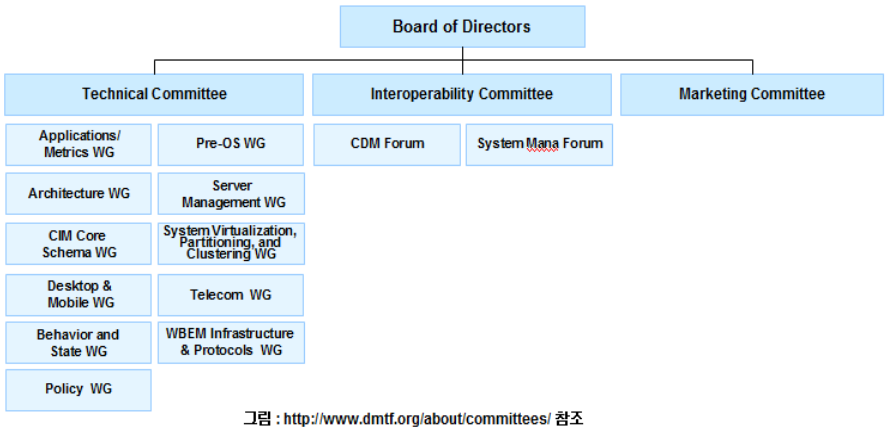
Name of Forum	DLNA (Digital Living Network Alliance)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2003.6
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

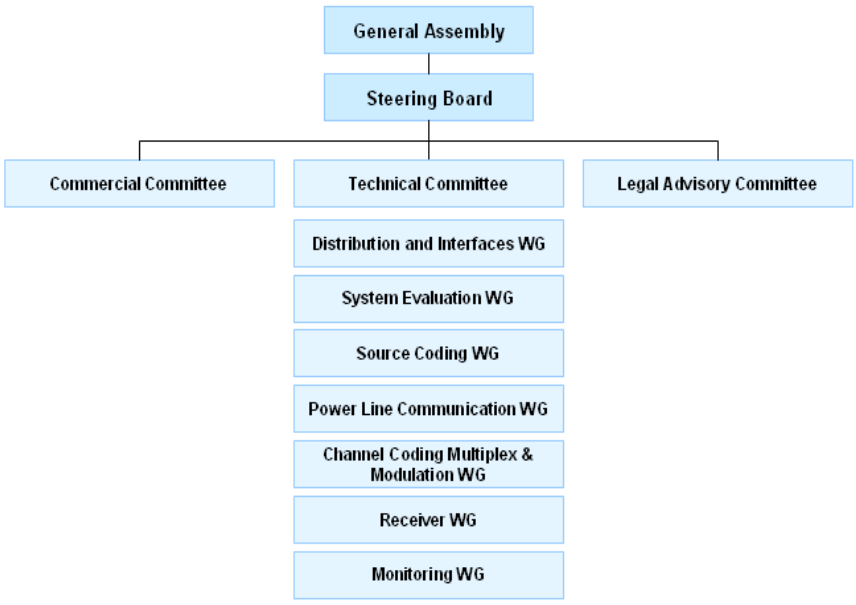
Organizational Structure	
Core Activities	o Mission - DLNA is focused on delivering an interoperability framework of design guidelines based on open industry standards to complete the cross industry digital convergence(Home Networking, CE, PC, Mobile Equipment etc) o Work Group Characteristics and Deliverables
2007 Results	o Progressing and/or completed Technology Standards(specifications) - DLNA v2 Link layer network Security, DLNA v2 Contents sync etc
Membership and Fees	o Annual membership fee: BoD Membership($100,000 USD), Promoter Membership($50,000 USD), Contributor Membership($30,000 USD), o total number of members: 264 o Names of main members and their countries - Samsung, Intel, MS, Nokia, SONY, Panasonic, Philips, HP
Cooperative Relationships	o -
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - Digital Living Network Alliance 3855 SW 153rd Drive Beaverton, Oregon 97006 USA o URL and telephone number - URL: http://www.dlna.org, TEL: +1 503-619-0422

Name of Forum	DMP(Digital Media Project)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2003. 12
Object field	o Information Technology relating mainly to Digital Contents		

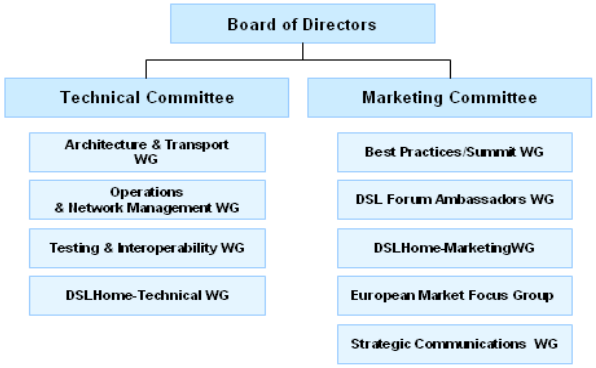
<table>
<tr><td>Organizational Structure</td><td colspan="3"> 
</td></tr>
<tr><td>Core Activities</td><td colspan="3">o Mission
- Promote continuing successful development, deployment and use of Digital Media that respect the rights of creators and rights holders to exploit their works, the wish of end users to fully enjoy the benefits of Digital Media and the interests of various value-chain players to provide products and services

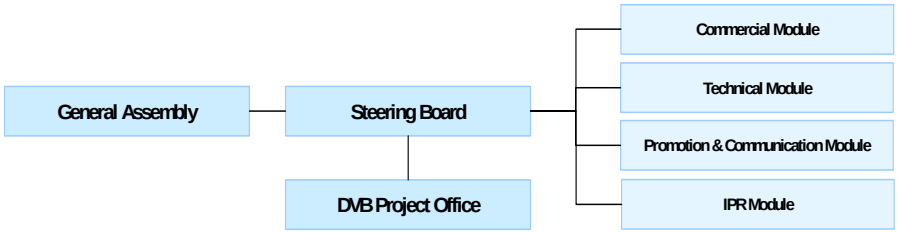
o Work Group Characteristics and Deliverables
- DC1 (Interoperable DRM Platform): To develop Technical Specifications for the DMP Interoperable DRM Platform
- DC2 (IDP Functions and Requirements): To develop and maintain IDP Functions and Requirements and To develop Calls for Proposals for the different IDP phases</td></tr>
<tr><td>2007 Results</td><td colspan="3">o Progressing and/or completed Technology Standards(specifications)
- Refer to http://www.dmpf.org/open/index.html</td></tr>
<tr><td>Membership and Fees</td><td colspan="3">o Annual membership fee: CHF 4,000
o total number of members: 21
o Names of main members and their countries
- British Broadcasting Corporation(UK), MPEGLA(US), Matsushita(JP)</td></tr>
<tr><td>Cooperative Relationships</td><td colspan="3">o ISO/IEC JTC1 SC29, CRF, ISMA, OMA, TV-Anytime Forum</td></tr>
<tr><td>IPR policy</td><td colspan="3">o Available</td></tr>
<tr><td>Contact Point</td><td colspan="3">o Office location(city/country)
- Digital Media Project Secretariat Eurescom GmbH Wieblinger Weg 19/4 D-69123 Heidelberg Germany
o URL and telephone number
- URL: http://www.dmpf.org, TEL:</td></tr>
<tr><td>Name of Forum</td><td colspan="3">DMTF(Distributed Management Task Force)</td></tr>
<tr><td>Active Purpose</td><td>development of "de facto" standards</td><td>Established Date(mm/yyyy)</td><td>1992</td></tr>
<tr><td>Object field</td><td colspan="3">o Convergence services relating mainly to Electronic Commerce</td></tr>
</table>

Organizational Structure	 그림 : http://www.dmtf.org/about/committees/ 참조		
Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - WBEM(Web based Enterprise Management), CIM(Common Information Model) - Dash v1.1(Dec 07): Desktop/mobile Architecture to System Hardware		
Membership and Fees	o Annual membership fee: Leadership Member($10,000), Participation Member($5,000), Monitoring Member($2,500), Sponsor Membership (private $200) o total number of members: 200 o Names of main members and their countries - Cisco Systems; Dell Computer Corp.; EMC; HP; Hitachi, Ltd; IBM; Intel; Microsoft; Novell; Oracle; Sun Microsystems; Symantec		
Cooperative Relationships	o Alliance Partnership: OGF, NIST, OMG, TOG, TMForum, SAF		
IPR policy	o Unavailable		
Contact Point	o Office location(city/country) - 225 SE Main St. Portland, OR 97214 o URL and telephone number - URL: http://www.dmtf.org, TEL: +1.503.963.3505		
Name of Forum	DRM Consortium(Digital Radio Mondiale)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1998.3
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

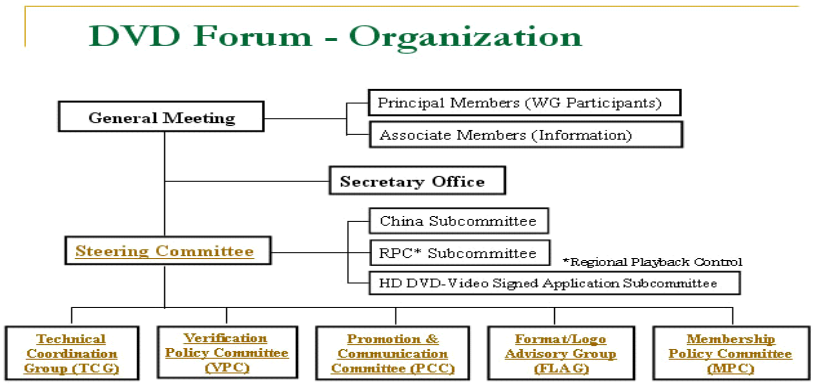
Organizational Structure	 그림 : http://www.drm.org/consortium/chart.php 참조
Core Activities	o Mission - Decided to extend the DRM(Digital Radio Mondiale) system to operate in the broadcasting bands below 120 MHz. ※ DRM has near-FM sound quality plus the ease-of-use that comes from digital transmissions
2007 Results	o Progressing and/or completed Technology Standards(specifications) - http://www.drm.org/drm-the-system/drm-specifications/
Membership and Fees	o Annual membership fee: o total number of members: 98 o Names of main members and their countries - British Broadcasting Corporation, NEC Corporation, Panasonic Automotive Systems Europe GmbH, Philips Semiconductors
Cooperative Relationships	o ITU, IEC, ETSI
IPR policy	o Available
Contact Point	o Office location(city/country) - DRM Project Office P.O. Box 360 CH-1218 Grand-Saconnex Geneva, Switzerland o URL and telephone number - URL: http://www.drm.org, TEL: +49 228 429 3510

Name of Forum	DSL Forum(Digital Subscribe Line)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1994
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

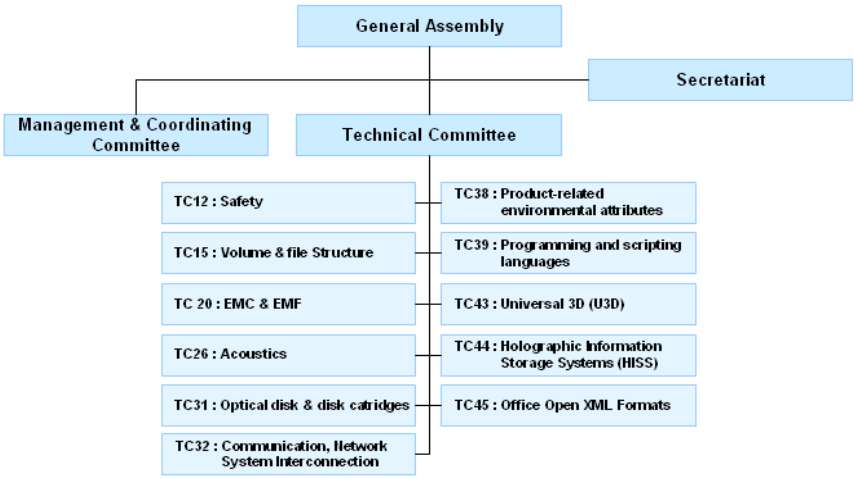
Organizational Structure	 그림 : http://www.dslforum.org/techwork/tworkinggroups.shtml 및 http://www.dslforum.org/mktwork/mktgworkinggroups.shtml 참조		
Core Activities	o Mission - To develop the full potential of DSL to meet the broadband needs of the mass market - Defining the core Digital Subscriber Line technology to establishing advanced Architecture standards, and maximizing effectiveness in deployment, reach and application support. o Work Group Characteristics and Deliverables - 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 eases 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	o Progressing and/or completed Technology Standards(specifications) - Refer to Website: http://www.dslforum.org/trlist/trlist.php		
Membership and Fees	o Annual membership fee: - o total number of members: 200 o Names of main members and their countries - 3com, Agilent Technology, Ericsson, Micosoft, Motorola		
Cooperative Relationships	o Technical Liaison: IETF, ATIS IIF, ITU-T SG15, UPnP, DLNA		
IPR policy	o Available		
Contact Point	o Office location(city/country) - DSL Forum 39355 California Street Suite 307 Fremont, CA 94538 o URL and telephone number - URL: http://www.dslforum.org, TEL: +1.510.608.5905		
Name of Forum	DVB(Digital Video Broadcasting Project)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1993.9
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure	
Core Activities	o Mission - 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 in are turned into standards by international standards bodies such as ETSI or CENELEC o Work Group Characteristics and Deliverables - 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	o 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	o Annual membership fee: EURO 10,000 o total number of members: 282 o Names of main members and their countries - BBC, France Telecom, Fuji TV, Motorola, Nokia
Cooperative Relationships	o ETSI, CENNELEC, EBU(Europe Broadcasting Union) etc
IPR policy	o Available
Contact Point	o Office location(city/country) - DVB Project Office 17a Ancienne Route CH-1218 Grand Sacconnex Geneva Switzerland o URL and telephone number - URL: http://www.dvb.org, TEL: +41 22 717 27 27

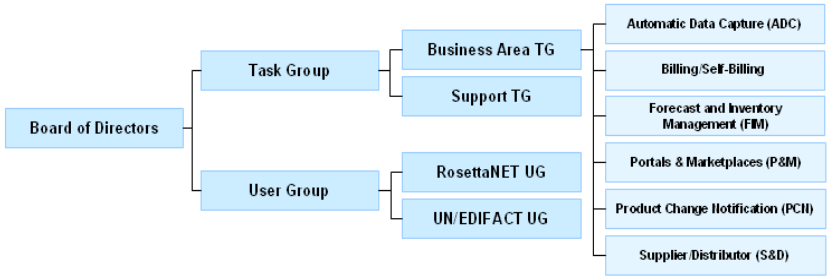
Name of Forum	DVD Forum(Digital Versatile Disc)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1997.9
Object field	o Information Technology relating mainly to Digital Contents		

Organizational Structure	
Core Activities	o Mission - To exchange and disseminate ideas and information about the DVD Format and its technical capabilities, improvements and innovations o Work Group Characteristics and Deliverables - 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 - WG12: Network Appliance
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Compatibility Implementation Guidelines Version 1.0
Membership and Fees	o Annual membership fee: Principal Member (10,000 yen), Associated Member(3,000 Yen) o total number of members: 220 o Names of main members and their countries - Hitachi, Ltd.Intel Corporation, Sony Corporation
Cooperative Relationships	o -
IPR policy	o -
Contact Point	o Office location(city/country) - DVD Forum Daimon Urbanist Bldg. 6F 2-3-6, Shibadaimon Minato-ku, Tokyo 105-0012 Japan o URL and telephone number - URL: http://www.dvdforum.org, TEL: +81-3-5777-2881

Name of Forum	ECMA(European Computer Manufacturer's Association)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1961
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - To develop, in co-operation with the appropriate National, European and International organizations Standards and Technical Reports in order to facilitate and standardize the use of Information Communication Technology (ICT) and Consumer Electronics (CE) o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - ECMA-368 High rate ultra wideband PHY AND MAC Standard 2nd Version
Membership and Fees	o Annual membership fee: CHF 70,000 o total number of members: 84 o Names of main members and their countries - ADOBE, Microsoft, Ericsson
Cooperative Relationships	o ITU-T(A.4, A.5), ISO/IEC JTC1 P member, ETSI
IPR policy	o Available
Contact Point	o Office location(city/country) - Ecma International Rue du Rhône 114 CH-1204 Geneva Switzerland o URL and telephone number - URL: http://www.ecma-international.org, TEL: +41 22 849 6000

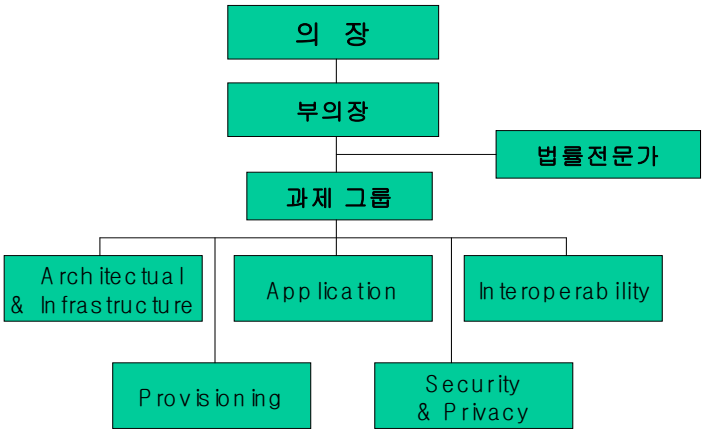
Name of Forum	EDIFICE(EDI Forum for Companies with Interest in Computing and Electronics)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1986
Object field	o Convergence services relating mainly to Electronic Commerce		

Organizational Structure	 그림 : http://www.edifice.org/htm/about_us/coreactivities.htm 참조
Core Activities	o Mission - EDIFICE is the European User Group for the Electronics Industry and supports and promotes those Industry Standards related to XML, EDI o Work Group Characteristics and Deliverables **- Automatic Data Capture (ADC)** - Billing - Distribution Channel Management (DCM) **- Forecast & Inventory Management (FIM)**
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Pre-Ordering , Forecasting & Inventory Management, Ordering Physical distribution, Automatic Data Capturing & RFID, Distribution Channel Management, Billing / Self-Billing, Payments, Portals & Marketplaces Product Change Notification, EDI over the Internet, XML/EDI
Membership and Fees	o Annual membership fee: 2,000 o total number of members: 56 o Names of main members and their countries - ALCATEL, AMD, CISCO SYSTEMS, Ericsson HP, Intel, Oracle
Cooperative Relationships	o ISO/IEC, ANSI, UN/CEFACT, ROSETTANET, EIDX ETC
IPR policy	O
Contact Point	o Office location(city/country) - C&F bvba - Tiensestraat 2 3320 Hoegaarden Belgium o URL and telephone number - URL: http://www.edifice.org, TEL: +32 16 76 54 70

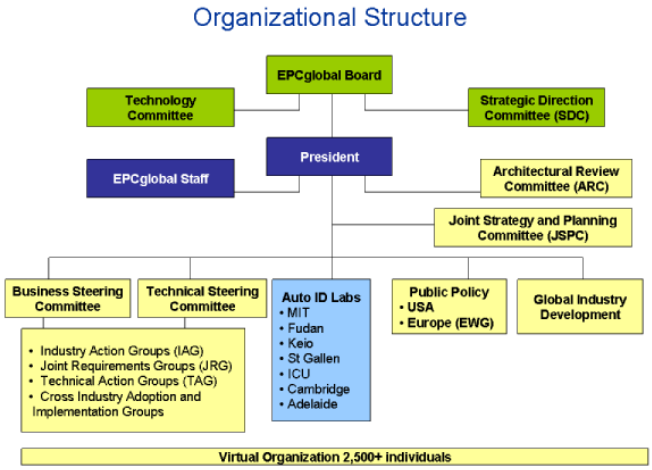
Name of Forum	EMF(European Multimedia Forum)		
Active Purpose	others	Established Date(mm/yyyy)	1994

Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network
Organizational Structure	o N/A
Core Activities	o Mission - To facilitate contacts and knowledge exchange, provide an international support network and encourage the expansion of European enterprises o Work Group Characteristics and Deliverables - To offer a set of high value-added services to the digital media industries through events and a qualified network of associations & professionals
2007 Results	o Progressing and/or completed Technology Standards(specifications) o N/A
Membership and Fees	o Annual membership fee: EURO(150~ 2,000) o total number of members: 297 o Names of main members and their countries - BTInfo ,Develter Innovation, Extended Media
Cooperative Relationships	o N/A
IPR policy	o N/A
Contact Point	o Office location(city/country) - European Office:55, rue Hector Denis B - 1050 Brussels o URL and telephone number - URL: http://www.e-multimedia.org, TEL: +32 2 219 0305

Name of Forum	ENUM FORUM		
Active Purpose	others	Established Date(mm/yyyy)	2001. 10
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - Activities of Specification for the ENUM Implementations o Work Group Characteristics and Deliverables - Architecture & Infrastructure WG - Provisioning WG - Application WG - Security & Privacy WG - Internetworking WG
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: Free o total number of members: 78 o Names of main members and their countries - AT&T, CISCO, Lucent, HP, CNNIC, VeriSign, NTT, ETRI
Cooperative Relationships	o
IPR policy	o
Contact Point	o Office location(city/country) - N/A o URL and telephone number - URL: http://www.enum-forum.org, TEL: +1 650 576 6305

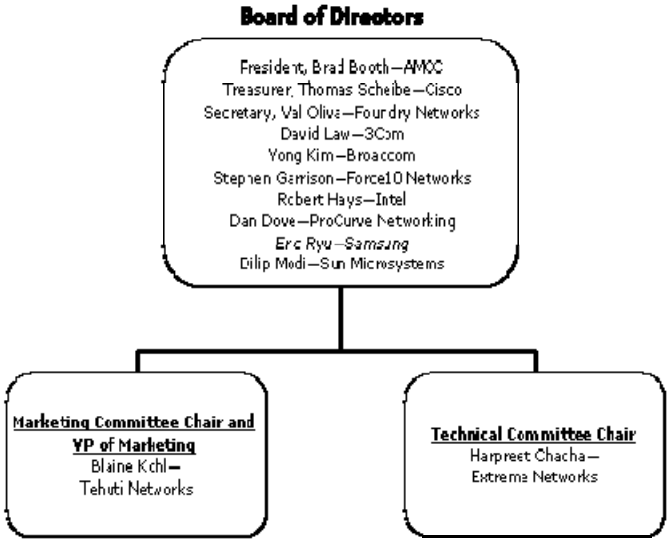
Name of Forum	EPC global Network		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2003. 11. 1
Object field	o Convergence services relating mainly to RFID/USN		

Organizational Structure	
Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables - Hardware Action Group (HAG): defines the interfaces between hardware components – primarily Radio Frequency Identification (RFID) tags and readers – in the EPCglobal Network - Software Action Group (SAG) defines the software functionality And interface standards for the EPCglobal Network and how these elements interact with distributed enterprise systems
2007 Results	o Progressing and/or completed Technology Standards(specifications) - ALE1.1. TLS BAG etc
Membership and Fees	o Annual membership fee: o total number of members: o Names of main members and their countries -
Cooperative Relationships	o GS1, MIT Auto ID etc
IPR policy	o Available - Refer to Website: http://www.epcglobalinc.org/what/ip_policy/
Contact Point	o Office location(city/country) - EPCglobal US, Princeton Pike Corporate Center 1009 Lenox Drive, Suite 202, Lawrenceville, NJ 08648 o URL and telephone number - URL: http://www.epcglobalinc.org, TEL: +1-609 620 4549

Name of Forum	ERTICO(The organization for intelligent transport system in Europe)		
Active Purpose	others	Established Date(mm/yyyy)	1999
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	o N/A
Core Activities	o Mission - Facilitates the safe, secure, clean, efficient and comfortable mobility of people and goods in Europe through the widespread deployment of ITS. o 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 & International Cooperation - bringing together the European ITS community
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: o total number of members: 114 o Names of main members and their countries - Honda Motor Europe, Mitsubishi Electric Automotive Europe, Volkswagen
Cooperative Relationships	o N/A
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - ITS Europe Blue Tower 326 Avenue Louise B-1050 Brussels Belgium o URL and telephone number - URL: http://www.ertico.com , TEL: +32 (0)2 400 0700

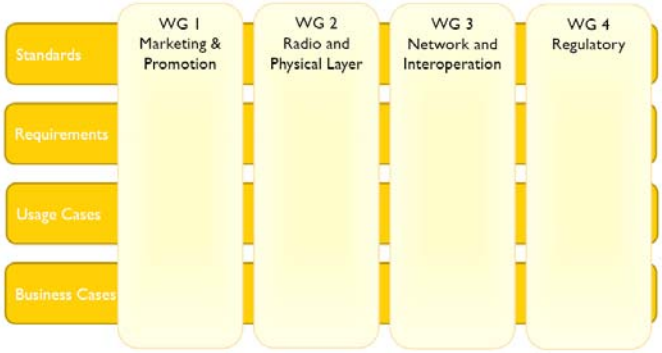
Name of Forum	Ethernet Alliance		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2006. 1.10
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - 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, develop broad company participation amongst member companies, coordinate efforts amongst Ethernet technologies, and position Ethernet's co-existence with complimentary technologies. - Positions Ethernet into evolving markets, and demonstrate Ethernet's viability in those new markets and applications o Work Group Characteristics and Deliverables - Technical Committee: - Marketing Committee
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: Principal Member($ 10,000 o total number of members: 61 o Names of main members and their countries - 3COM, CISCO SYSTEMS, Intel Cor. SUN
Cooperative Relationships	o IEEE802.3
IPR policy	o N/A
Contact Point	o Office location(city/country) - PO Box 200757 Austin, TX 78720-0757 USA o URL and telephone number - URL: http://www.ethernetalliance.org/home, TEL: +1.512.363.9932

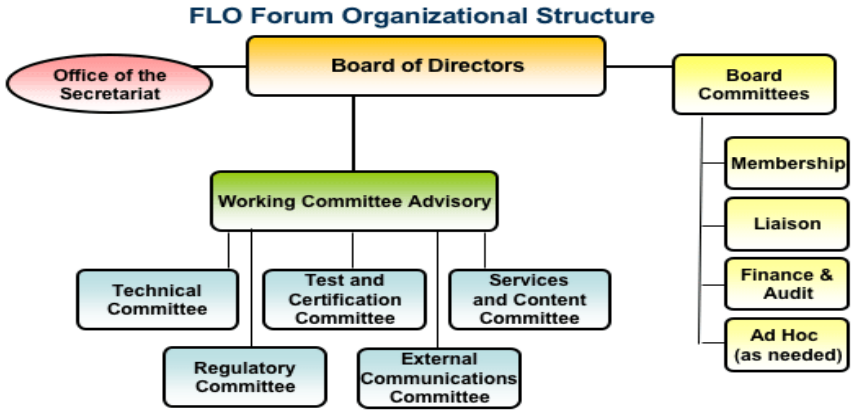
Name of Forum	FCIA(Fibre Channel Industry Association)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1999
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	o N/A
Core Activities	o 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) SANmark Qualified Program goals are: - Make Fibre Channel solutions easy to use, easy to install, manage, configure, diagnose, and trouble shoot - Ensure Fibre Channel continues to attain the highest performance and "installed base maturity" available in the market - Proliferate heterogeneous shared SAN resources & heterogeneous management framework over WAN connections
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fee	o Annual membership fee: N/A o total number of members: 35 o Names of main members and their countries - CISCO SYSTEMS, HP. Hitachi, IBM
Cooperative Relationships	o Liaison: T11, SNIA
IPR policy	o N/A
Contact Point	o Office location(city/country) - PO Box 200757 Austin, TX 78720-0757 USA o URL and telephone number - URL: http://www.fibrechannel.org, TEL: +1.415.561.6270

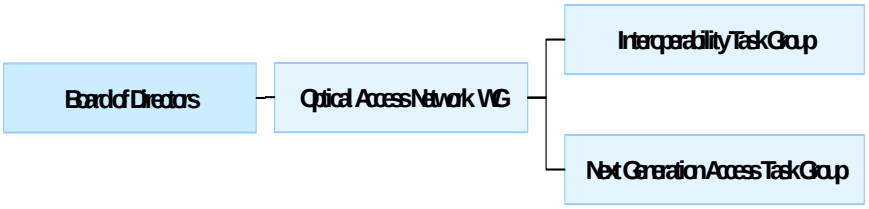
Name of Forum	Femto Forum		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	2007.7.2
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o Mission - Our strategic goal is global recognition of femto technologies as the de facto solution for mobile coverage in the home and to drive worldwide take-up of such technologies o Work Group Characteristics and Deliverables - The marketing & promotion group is looking at how the industry should best position femtocells within the industry and to the wider public, build usage cases, agree common terminology and manage any potential concerns. - The radio & physical layer group is developing standardised RF interfaces, clarifying the various capability classes of femtocell and examining interactions with outdoor cells. - The network & interoperability group is promoting standardised 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	o Progressing and/or completed Technology Standards(specifications) - Foundation of Forum
Membership and Fees	o Annual membership fee: Full Member(pound 7,500), Board Member(14,600) o total number of members: 57 o Names of main members and their countries - CISCO SYSTEMS, Softbank, Vodafone
Cooperative Relationships	o N/A
IPR policy	o N/A
Contact Point	o Office location(city/country) - The Femto Forum PO Box 23 GL11 5WA UK o URL and telephone number - URL: http://www.femtoforum.org, TEL: +44 (0)20 7981 9778

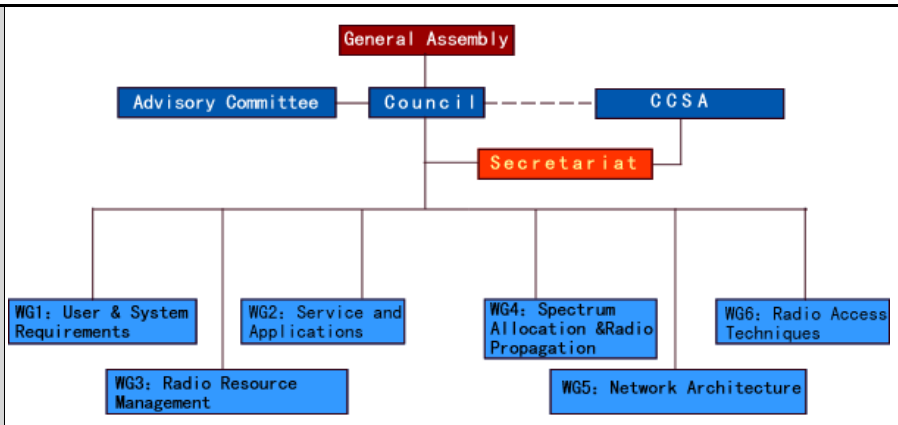
Name of Forum	FLO Forum		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2005.6
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure	
Core Activities	o Mission - Focus on making FLO technology a global standard: from setting guidelines for testing and certification of equipment using FLO technology, to serving as a resource for information about FLO technology and FLO-compliant products o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: $4,500~ 18,500 USD o total number of members: 94 o Names of main members and their countries - Agilent Technologies, Inc. Motorola Inc. KDDI
Cooperative Relationships	o TIA TR47, ETSI, ITU-T, MPEG Industry Forum, OMA, GCF, ATSC etc
IPR policy	o N/A
Contact Point	o Office location(city/country) - 48377 Fremont Boulevard, Suite 117 Fremont, CA 94538 o URL and telephone number - URL: http://www.floforum.org, TEL: +1 510-492-4070

Name of Forum	FSAN(Full Service Access Network) Forum		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1995
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

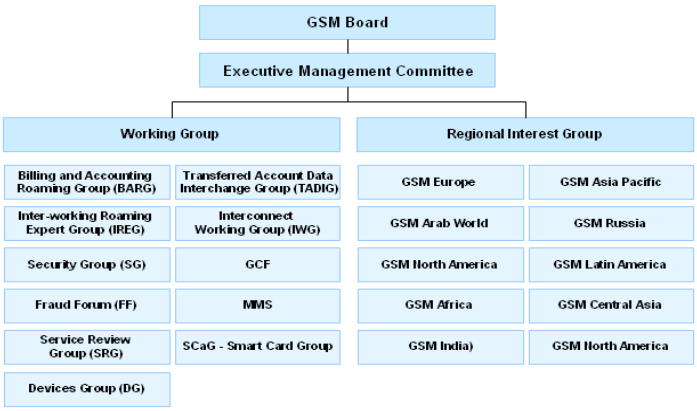
Organizational Structure	
Core Activities	o Mission - To facilitate the creation of suitable access network equipment standards and hence reduce the price of affordable equipment. o Work Group Characteristics and Deliverables - Interoperability Task Group - Next Generation Access (NGA) task group: studying the evolution of optical access systems beyond GPON
2007 Results	o Progressing and/or completed Technology Standards(specifications) - G-PON, and B-PON Passive Optical Networking
Membership and Fees	o Annual membership fee: N/A(Operator Membership, Vendor Membership) o total number of members: 46 o Names of main members and their countries - Bell, BT, NTT, Verizon
Cooperative Relationships	o Liaison: ITU-T
IPR policy	o N/A
Contact Point	o Office location(city/country) - FSAN does not have a formal secretariat or supporting organization o URL and telephone number - URL: http://www.fsanweb.org, TEL: +1-609 620 4549

Name of Forum	FuTURE Mobile Communication Forum		
Active Purpose	others	Established Date(mm/yyyy)	2005. 10. 17
Object field	o Convergence Infrastructure relating to Mobile Communication		

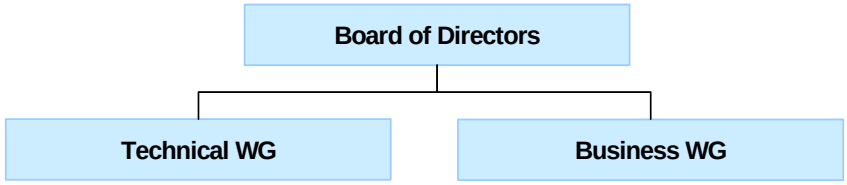
Organizational Structure	 FuTURE FORUM Organization Structure
Core Activities	o Mission: to establish and develop an open, neutral, fair and just international platform to serve the research and development of future mobile communication technologies. - Clarify the vision of future mobile communication development; - Assess new trends and new technoloies, promote the research in future mobile communication field; - Realize the sustainable development of mobile communication all over the world. o Work Group Characteristics and Deliverables - WG1 User and System Requirement - WG2 Service and Applications - WG3 Mobile Radio Spectrum and Propagation - WG4 Radio Access techniques - WG5 Radio Resource Management - WG6 Network Architecture
2007 Results	o Progressing and/or completed Technology Standards(specifications) - White paper
Membership and Fees	o Annual membership fee: o total number of members: 30 o Names of main members and their countries - Siemens, Nokia, Samsung, Huawei, DTT
Cooperative Relationships	o MoU: NGMC Forum(Korea), MITF(JAPAN)
IPR policy	o unavailable
Contact Point	o Office location(city/country) - 中国.北京市海淀区知春路 6 号 锦秋国际大厦 A 座 1409-10 室 邮编：100088 o URL and telephone number - URL: http://www.future-forum.org/cn, TEL: +86 10 82800433-34 or35
Name of Forum	GS1
Active Purpose	others / Established Date(mm/yyyy): 1983
Object field	o Convergence services relating mainly to RFID/USN

Organizational Structure	 그림 : http://www.gs1.org/docs/publications/annual_report/2005/annual_report_2005.pdf 참조
Core Activities	o Mission - To the design and implementation of global standards and solutions to improve the efficiency and visibility of supply and demand chains globally and across sectors o Work Group Characteristics and Deliverables - The allocation of unique numbers - the basis for the complete range of standards - Providing training and support for: BarCodes: Numbering and bar coding eCom - EDI (Electronic Data Interchange) Global Data Synchronisation Network (GDSN) - data synchronisation 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	o Progressing and/or completed Technology Standards(specifications) - GDSN, GSMP etc
Membership and Fees	o Annual membership fee: o total number of members: 100 o Names of main members and their countries - Wegman's Food Markets, Inc. Procter & Gamble Company
Cooperative Relationships	o ISO/IEC JTC1 SC31, UN/EDIFACT, GCI, ISBN, AIM etc
IPR policy	o N/A
Contact Point	o Office location(city/country) - Blue Tower, Avenue Louise, 326 BE 1050 Brussels Belgium o URL and telephone number - URL: http://www.gs1.org/, TEL: +32 2 788 7800

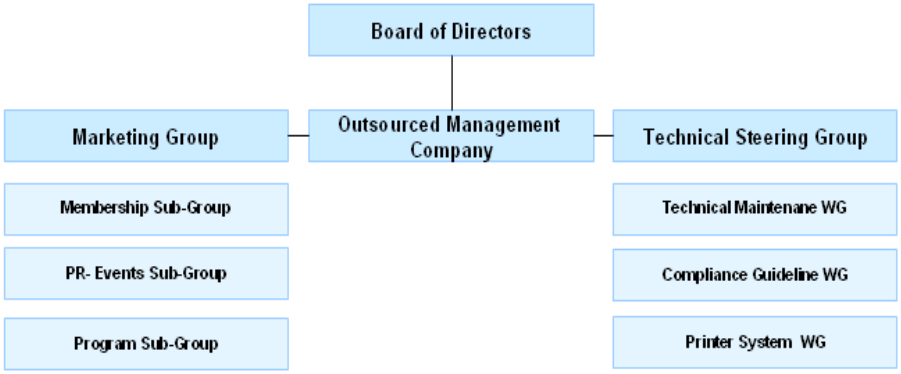
Name of Forum	GSMA(Global System for Mobile communications Association)		
Active Purpose	others	Established Date(mm/yyyy)	1987
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	 그림 : http://www.gsmworld.com/about/people/groupchair.shtml 참조
Core Activities	o Mission - Promoting and developing the GSM platform for global mobile Communications. o Work Group Characteristics and Deliverables - Billing and Accounting Roaming Group (BARG) - Inter-working 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	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: Full Membership, Associated Membership o total number of members: 924(Full: 718, Associate: 206) o Names of main members and their countries - Alcatel, Cisco Systems, Inc, Ericsson AB, France Telecom , HP
Cooperative Relationships	o ITU-T A.4
IPR policy	o -
Contact Point	o Office location(city/country) - 1ST Floor mid city place 71 high holborn London o URL and telephone number - URL: http://www.gsmworld.com, TEL: +44 (0)20 7759 2300

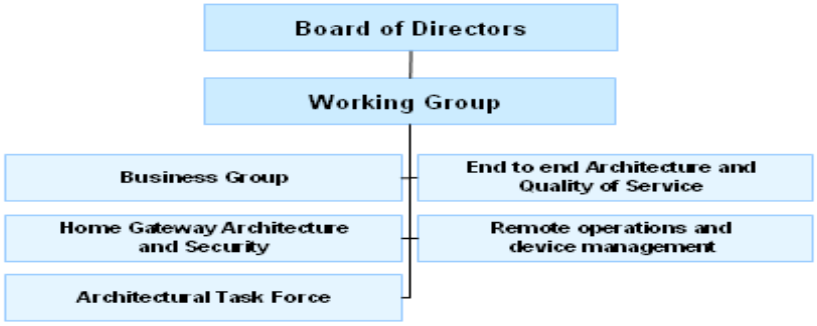
Name of Forum	HANA(High Definition Audio-Video Network Alliance)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	2005.10
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	 그림 http://www.hanaalliance.org/docs/HANA_Overview_Presentation.pdf/ 참조
Core Activities	o Mission - To create standards-based solutions to facilitate commercial deployment of connected products and services that will enhance the consumer HD entertainment experience o Work Group Characteristics and Deliverables - User Case Sub Group - User Interface Sub Group - Specification Sub Group - Content Protection Sub Group - Audio Sub Group
2007 Results	o Progressing and/or completed Technology Standards(specifications) - HANA Product Phase 2
Membership and Fees	o Annual membership fee: Contributor Membership($15,000 USD), Adopter Membership($5,000 USD) o total number of members: 37 o Names of main members and their countries - IBM, NBC Broadcasting, Sun Microsystems
Cooperative Relationships	o Liaison: 1394 TA
IPR policy	o N/A
Contact Point	o Office location(city/country) - High-Definition Audio-Video Network Alliance c/o HANA Administration 3855 SW 153rd Drive Beaverton, Oregon 97006 o URL and telephone number - URL: http://www.hanaalliance.org, TEL: +1.(503) 619-0859

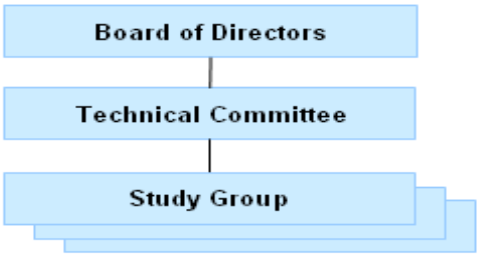
Name of Forum	HAVi(Home Audio Video Interoperability)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1999.12
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - To promote a network architecture for Home Audio Video Interoperability. o Work Group Characteristics and Deliverables - User Case Sub Group - User Interface Sub Group - Specification Sub Group - Content Protection Sub Group - Audio Sub Group
2007 Results	o Progressing and/or completed Technology Standards(specifications) - HAVi version 1.1
Membership and Fees	o Annual membership fee: Profit Membership($10,000 USD), Non-Profit Membership($2,500 USD) o total number of members: 13 o Names of main members and their countries - Hitachi, Sony, Taxas Instrument
Cooperative Relationships	o -
IPR policy	o Available
Contact Point	o Office location(city/country) - HAVi Organization Bishop Ranch 2 2694 Bishop Drive, Suite 275 San Ramon, CA 94583, USA o URL and telephone number - URL: http://www.havi.org, TEL: + 1 925 275-6690

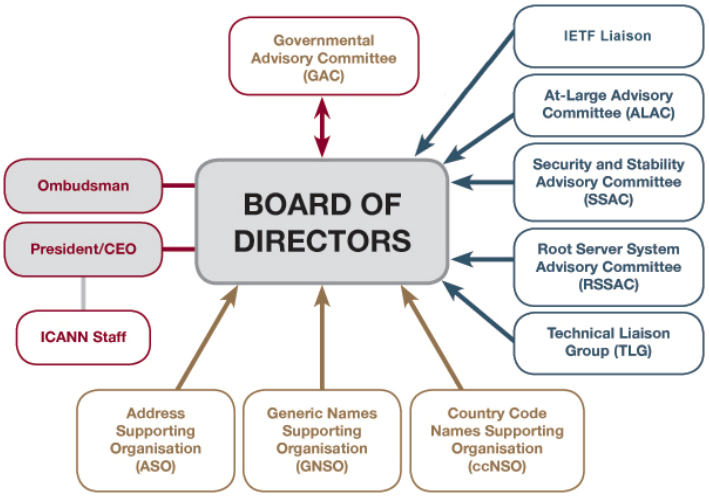
Name of Forum	HGI(Home Gateway Initiative)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2004.12
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - 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 will analyses gaps with respects to its requirements o Work Group Characteristics and Deliverables - HG Architecture and Security WG: - QoS WG - RDM(Remote Operation and Device Management) WG
2007 Results	o Progressing and/or completed Technology Standards(specifications) - HGI Version 1.0(2006)
Membership and Fees	o Annual membership fee: Principal Membership(7000 €), Associate Membership(3500 €) o total number of members: 63 o Names of main members and their countries - BT, Microsoft TV, Ericsson, Philips, Siemens
Cooperative Relationships	o ITU, DSL forum, DLNA, OSGi Alliance , TM Forum, DVB etc
IPR policy	o available(FRAND)
Contact Point	o Office location(city/country) - 650 Route des Lucioles 06921 Sophia Antipolis France o URL and telephone number - URL: http://www.homegatewayinitiative.org, TEL: +33 492 94 49 71

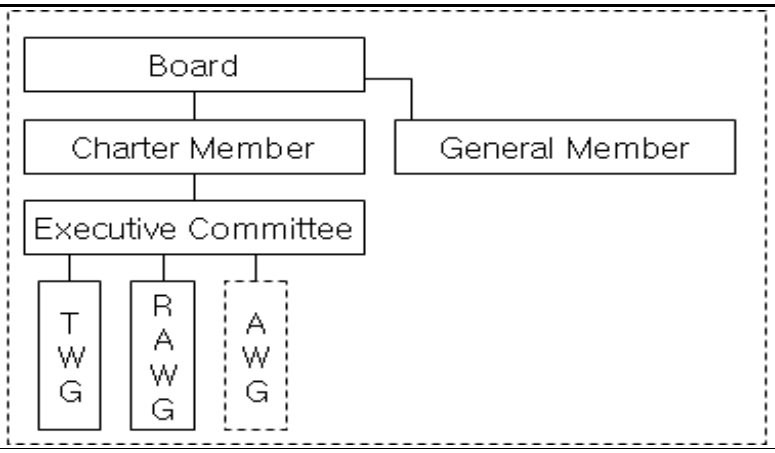
Name of Forum	HomePNA(Home Powerline Networking Alliance)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1998.6
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - Develops triple-play home networking solutions for distributing entertainment data over both existing coax cable and phone lines o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - Home PNA 3.1(2006.12)
Membership and Fees	o Annual membership fee: Adopter Member($5,000USD), Participate Member($1,000USD) o total number of members: 41 o Names of main members and their countries - 3Com, AMD, AT&T, Wireless Services, COMPAQ, Conexant, Epigram, HP, IBM, INTEL
Cooperative Relationships	o IEEE802.3
IPR policy	o Available(FRAND)
Contact Point	o Office location(city/country) - HomePNA, Bishop Ranch 6, 2400 Camino Ramon, Suite 375, San Ramon, CA 94583 o URL and telephone number - URL: http://www.homepna.org, TEL: +1.925.275.6620

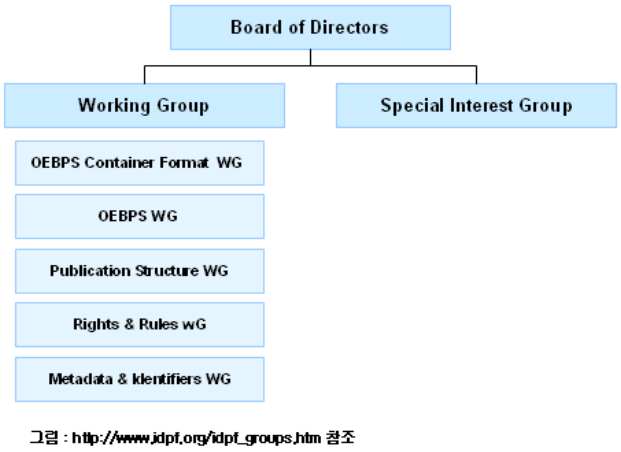
Name of Forum	ICANN(Internet Corporation for Assigned Names and Numbers)		
Active Purpose	others	Established Date(mm/yyyy)	1998.10
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - Promotes competition and develops policy on the Internet's unique identifiers. o Work Group Characteristics and Deliverables - Address Supporting Organization: Study on IP Address system - Country code Names Supporting Organization: - Generic Names Supporting Organization: Study on Domain Name system
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: - o total number of members: - o Names of main members and their countries - NIDA, KT(KOREA)
Cooperative Relationships	o N/A
IPR policy	o N/A
Contact Point	o Office location(city/country) - Internet Corporation for Assigned Names and Numbers (ICANN) 4676 Admiralty Way, Suite 330 Marina del Rey, CA 90292-6601 USA o URL and telephone number - URL: http://www.icann.org, TEL: +1.310.823.9358

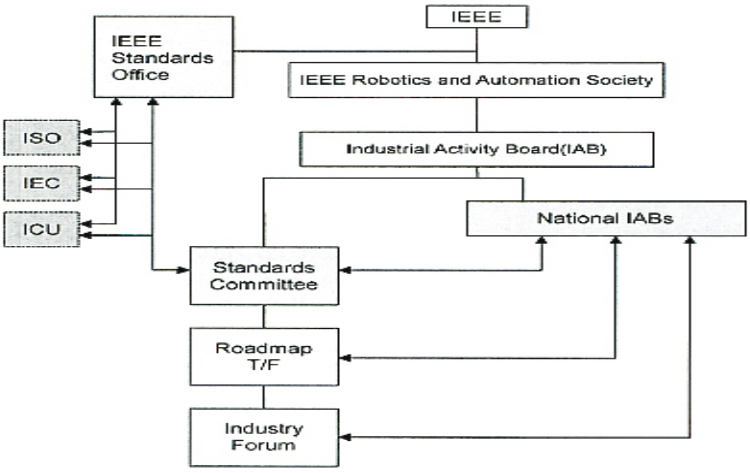
Name of Forum	IDF(International DOI Foundation)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1998 .3
Object field	o Information Technology relating mainly to Digital Contents		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - TWG(Technical WG) - RAWG(Registration Agency WG - AWG(Application WG)
2007 Results	o Progressing and/or completed Technology Standards(specifications) - RMD(Resource Metadata Declaration)
Membership and Fees	o Annual membership fee: Charter Member($70,000 USD), General Member($35,000 USD), Affiliate Member($5,000 USD), o total number of members: 6 o Names of main members and their countries - Elsevier, John Wiley&Sons, Springer SBM, ACM, IEEE, CCC
Cooperative Relationships	o ISO/IEC JTC1 SC29, NISO, EDIt EUR
IPR policy	o Available(Royalty Free)
Contact Point	o Office location(city/country) - International DOI Foundation, Inc., Linacre House,Jordan Hill Oxford OX2 8DP United Kingdom o URL and telephone number - URL: http://www.doi.org, TEL: +44 (0) 1865 314033

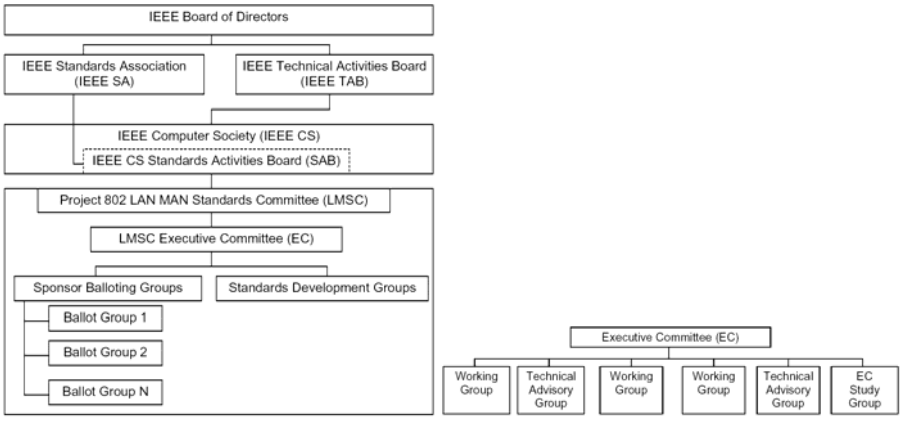
Name of Forum	IDPF(International Digital Publishing Forum)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	2000
Object field	o Information Technology relating mainly to Digital Contents		

Organizational Structure	 그림 : http://www.idpf.org/idpf_groups.htm 참조
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - OEBPS Container Format Working Group - OEBPS Working Group
2007 Results	o Progressing and/or completed Technology Standards(specifications) - OEBPS Container Format V1.0(2006) - Open Publication Structure (OPS) 2.0(2007)
Membership and Fees	o Annual membership fee: Profit Member($3,000~ 10,000 USD), Non profit Member($650 USD) o total number of members: 105 o Names of main members and their countries - Adobe Systems Incorporated Amazon.com, Microsoft Corporation, SONY
Cooperative Relationships	o N/A
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - International Digital Publishing Forum 302 A West 12th Street, #304 New York, NY 10014 o URL and telephone number - URL: http://www.idpf.org, TEL: +1.212-924-9081

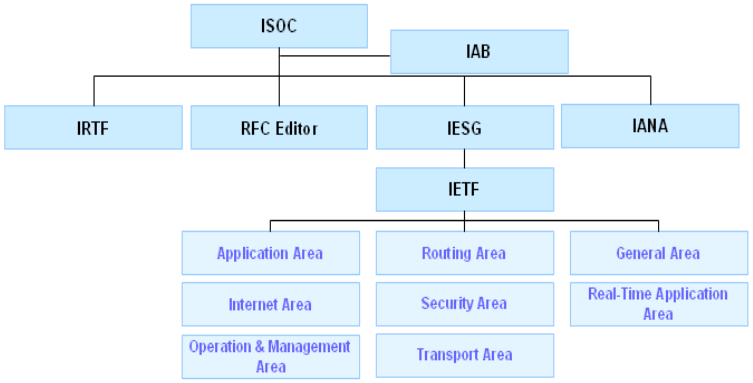
Name of Forum	IEEE RAS(Robotics and Automation Society)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	2004
Object field	o Convergence services relating mainly to Intelligent Robotics		

Organizational Structure	 그림. IEEE Robotics and Automation Society
Core Activities	o Mission - Society strives for the advancement of the theory and practice of robotics and automation engineering and science and of the allied arts and sciences o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: 350 USD o total number of members: 13 o Names of main members and their countries - Texas A&M Univ., University of California- Berkeley, University of Waseda
Cooperative Relationships	o N/A
IPR policy	o Available
Contact Point	o Office location(city/country) - IEEE Member Services, 445 Hoes Lane, Piscataway NJ 08855 USA o URL and telephone number - URL: http://www.ieee-ras.org, TEL: +1 (800) 678-IEEE (US/Canada) or +1 732 562-0060

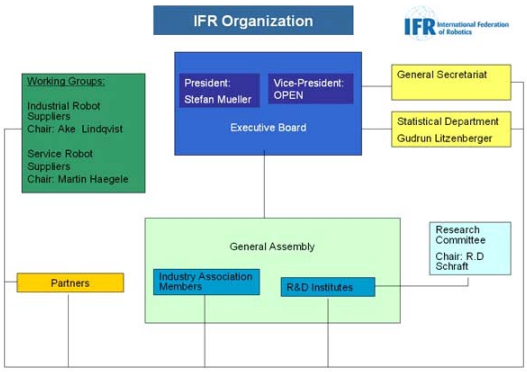
Name of Forum	IEEE 802(Institute of Electrical Electronics Engineers)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1980. 2
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - Development LAN/MAN/WRAN Standard o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - Audio/Video Bridging, Higher speed Ethernet etc
Membership and Fees	o Annual membership fee: 350 USD o total number of members: - o Names of main members and their countries - Activities on Private member
Cooperative Relationships	o N/A
IPR policy	o Available
Contact Point	o Office location(city/country) - IEEE Operations Center 445 Hoes Lane, Piscataway, New Jersey08854-1331 USA o URL and telephone number - URL: www.ieee802.org, TEL: +1 732 981 0060

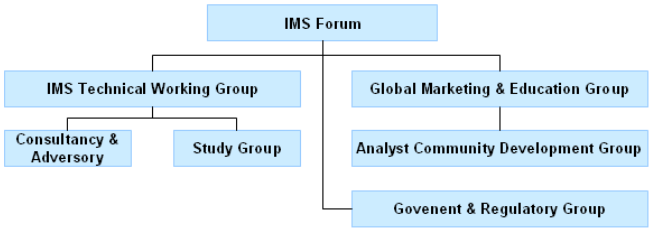
Name of Forum	IETF(Internet Engineering Task Force)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1986
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

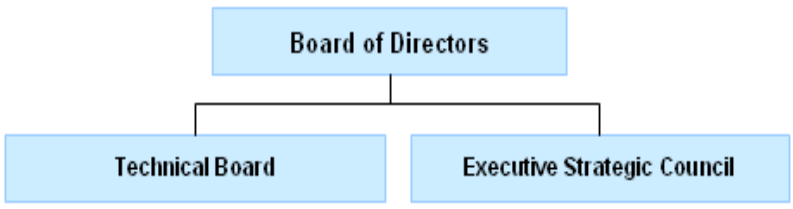
Organizational Structure	
Core Activities	o Mission - To produce high quality, relevant technical and engineering documents that influence the way people design, use, and manage the Internet in such a way as to make the Internet work better. o Work Group Characteristics and Deliverables - Application Area(9 WG) - Routing Area(15WG) - General Area(1WG) - Internet Area(27 WG) - Security Area(17 WG) - Real time Application Area(16 WG) - Operation Management Area(17 WG) - Transport Area(13 WG)
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Proxy Mobile IPV6, 6Lowpan packet Format
Membership and Fees	o Annual membership fee: 500 USD o total number of members: - o Names of main members and their countries - Activities on Private member
Cooperative Relationships	o IEEE802, ISO/IEC, T1, etc
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - IETF Secretariat c/o Corporation for National Research Initiatives 1895 Preston White Drive, Suite 100 Reston, VA 20191-5434 USA o URL and telephone number - URL: http://www.ietf.org, TEL: +1-703-620-8990

Name of Forum	IFR(The International Federation of Robotics) 국제로봇연맹		
Active Purpose	others	Established Date(mm/yyyy)	1987.1
Object field	o Convergence services relating mainly to Intelligent Robotics		

Organizational Structure	
Core Activities	o Mission - To promote research, development, use and international co-operation in the entire field of robotics to act as a focal point for organisations and governmental representatives in activities related to robotics. o Work Group Characteristics and Deliverables - Acts as the primary resource for world-wide surveys, studies, statistical data on use of robotics. - Sponsor of the annual International Symposium on Robotics. - Co-operates in establishing International Standards. - Stimulates research and development in the field of emerging robotics technologies. - Establishes relations and active co-operation with other national and international organisations. - Promotes the application and diffusion of robotics through the co-operation with manufacturers, end-users, universities and other interested organizations
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: Major Member(3300 €), Regular Member(1100 €), Supporting Member(1300 €), Affiliate Member(350 €) o total number of members: 58 o Names of main members and their countries - SYMAP, IPA, SIRI ITALIAN ASSOC OF ROBOTICS, JARA
Cooperative Relationships	o ISO TC184
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - IFR Secretariat c/o Symap45,rue Louis-Blanc 92038 Paris La Défense Cedex o URL and telephone number - URL: http://www.ifr.org, TEL: +33 1 47 17 67 07

Name of Forum	IMS Forum(Internet Multimedia Subsystem)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2006.2
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: Full member($3,500 USD~15,000 USD), Affiliate Member($3,500 USD) o total number of members: 51 o Names of main members and their countries - BEA Systems, Hewlett Packard
Cooperative Relationships	o 3GPP
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - IMS Forum Headquarters 39355 California Street, Suite 307 Fremont, CA 94538 o URL and telephone number - URL: http://www.imsforum.org, TEL: +1.510.744.4020

Name of Forum	IMS(Instructional Management Systems) Global Learning Consortium		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1997
Object field	o Information Technology relating mainly to Digital Contents		
Organizational Structure			

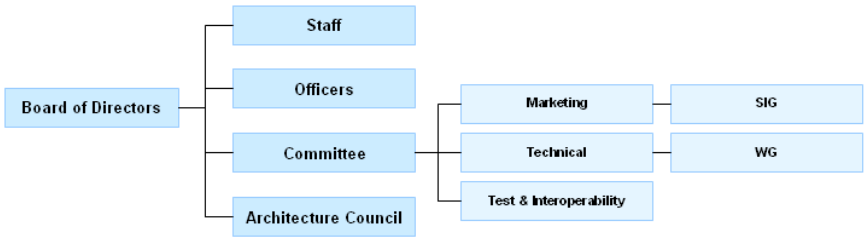
Core Activities	o Mission - Provides leadership in shaping and growing the learning and educational technology industries through collaborative support of standards, innovation, best practice and recognition of superior learning impact o Work Group Characteristics and Deliverables - Interoperability 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	o Progressing and/or completed Technology Standards(specifications) - IMS Learning Metadata version 1.3
Membership and Fees	o Annual membership fee: Contribute Member($1,500~ $5,500 USD) , Subscriber Member($1,000~ $3,500 USD) o total number of members: 67 o Names of main members and their countries - Apple, Educational Testing Service, IBM, McGraw-Hill Education, Microsoft, Oracle
Cooperative Relationships	o DCMI, IEEE, CEN-ISSS
IPR policy	o N/A
Contact Point	o Office location(city/country) - IMS 801 International Parkway 5th Floor, PMB #112 Lake Mary, FL 32746 USA o URL and telephone number - URL: http://www.imsglobal.org, TEL: +1.407.362.7783

Name of Forum	IMTC(International Multimedia Telecommunications Consortium)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1994.9
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		
Organizational Structure			

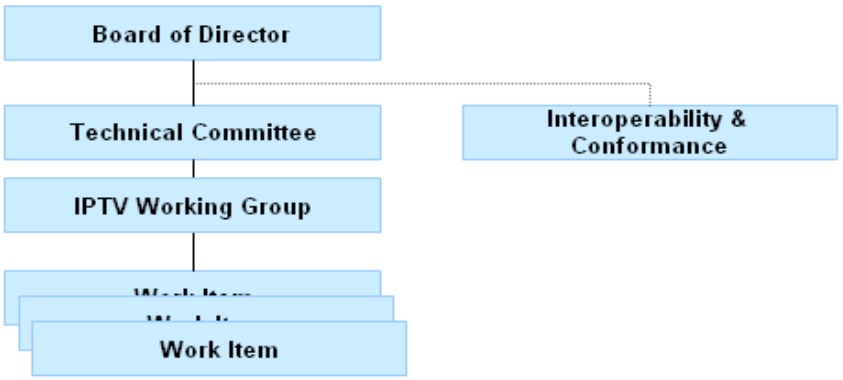
Core Activities	o Mission - To promote and facilitate the development and use of interoperable, real-time, Multimedia Telecommunications products and services based on open international standards · To advocate the common interests of the industry through education and promotion. · To be an unbiased 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 o Work Group Characteristics and Deliverables - 3G-324M Activity Group: performs interoperability tests for realtime videotelephony according to the standards 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 signaling and media, from the point of view of the terminal - Session Initiation Protocol Activity Group: focuses on multimedia telecommunications applications including conferencing, video, multipoint, etc		
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A		
Membership and Fees	o Annual membership fee: Full voting Member($7,500 USD), Non-profit Member($1,000 USD) o total number of members: 52 o Names of main members and their countries - Alcatel, Cisco, Motorola, Nokia, Sony, Vodafone		
Cooperative Relationships	o ITU-T A.4, A.5, IEC, ISO, 3GPP, IEEE, IETF, GCF, ETSI, W3C etc		
IPR policy	o N/A		
Contact Point	o Office location(city/country) - 2400 Camino Ramon, Suite 375 San Ramon, CA 94583 o URL and telephone number - URL: http://www.imtc.org, TEL: +1.925.275.6600		
Name of Forum	IPv6 Forum(Internet Protocol Version 6)		
Active Purpose	others	Established Date(mm/yyyy)	1999.7
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		
Organizational Structure	o N/A		

Core Activities	o Mission - 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 world-wide equitable access to knowledge and technology, embracing a moral responsibility to the world o Work Group Characteristics and Deliverables - Established an open, international FORUM of IPv6 expertise - Shared IPv6 knowledge and experience among members - Promoted new IPv6-based applications and global solutions
2007 Results	o 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	o Annual membership fee: o total number of members: 46 o Names of main members and their countries - 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, Taiwan, Thailand, Tunisia, UK, United Arab Emirates
Cooperative Relationships	o ETSI, 3GPP, UMTS Forum
IPR policy	o N/A
Contact Point	o Office location(city/country) - o URL and telephone number - URL: http://www.ipv6forum.com, TEL:

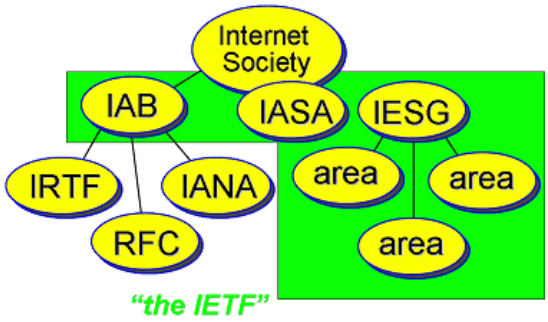
Name of Forum	IrDA(The Infrared Data Association)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1994
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	 그림 : http://www.irda.org/displaycommon.cfm?an=1 참조
Core Activities	o Mission - To develop globally adopted specifications for infrared wireless communication. o Work Group Characteristics and Deliverables - IrSimple SIG: Develop a protocol to provide simple and fast communication.for performing picture transmission to a TV from 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	o Progressing and/or completed Technology Standards(specifications) - IrDA Ir simple Connect Specification
Membership and Fees	o Annual membership fee: Executive Member($8,000 USD), Corporative Member($1,500~4,000 USD) o total number of members: 41 o Names of main members and their countries - Casio Computer, KDDI CORPORATION, Mitsubishi Electric Corporation, Nokia Mobile Phones, NTT DoCoMo
Cooperative Relationships	o ISO TC
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - IrDA Corporate Office P.O. Box 3883 Walnut Creek, CA 94598 o URL and telephone number - URL: http://www.irda.org, TEL: +1 925-943-6546

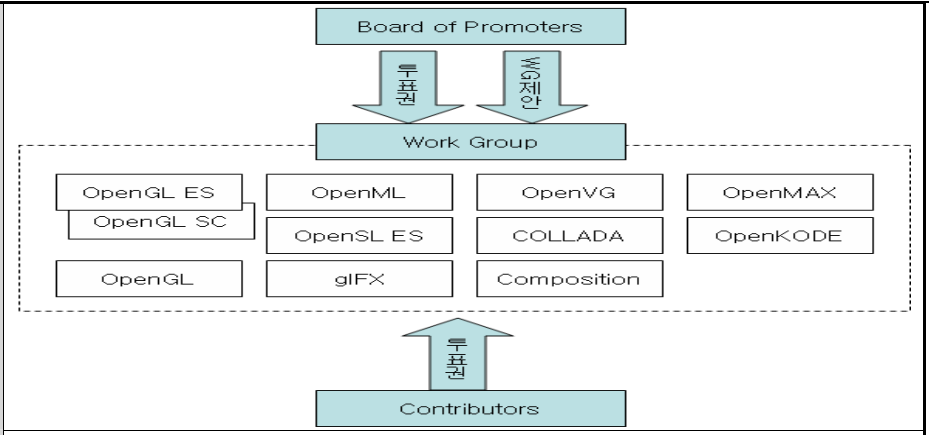
Name of Forum	ISMA(Internet Streaming Multimedia Alliance)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	2000
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure	
Core Activities	o Mission - ISMA is a global alliance driving the integration of multimedia IPTV standards o Work Group Characteristics and Deliverables - IPTV Working ITEM - ISMA Cryp 2.0 - High Efficiency Transport
2007 Results	o Progressing and/or completed Technology Standards(specifications) - IPTV, ISMA Cryp Version 2.0
Membership and Fees	o Annual membership fee: Participant Member($ 3,500 USD), Adopter Member($ 2,500 USD) o total number of members: 27 o Names of main members and their countries - Cisco Systems, Apple Computer, IBM, Philips Electronics, Sun Microsystems
Cooperative Relationships	o ISO/IEC JTC1 SC29 WG11
IPR policy	o TBD
Contact Point	o Office location(city/country) - Internet Streaming Media Alliance P.O. Box 29920 (Postal Service) 572 B Ruger Street San Francisco, CA USA o URL and telephone number - URL: http://www.isma.tv, TEL: +1.415.561.6276

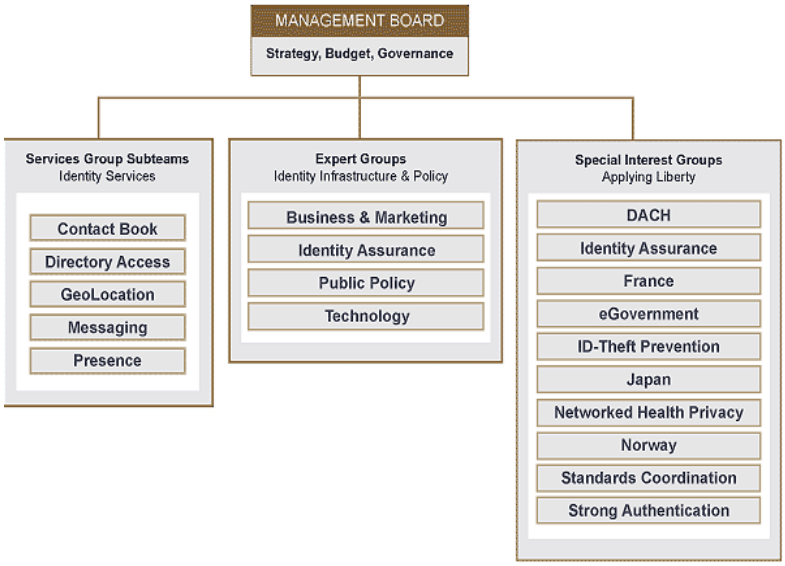
Name of Forum	ISOC(Internet Society)		
Active Purpose	others	Established Date(mm/yyyy)	1991
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - To promote the open development, evolution, and use of the Internet for the benefit of all people throughout the world o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: o total number of members: 85 o Names of main members and their countries - 3COM Corporation, AT&T, Cisco Systems, Hewlett-Packard Company , Oracle Corporation
Cooperative Relationships	o -
IPR policy	o -
Contact Point	o Office location(city/country) - Headquarters 1775 Wiehle Ave., Suite 102, Reston, VA, USA 20190-5108 o URL and telephone number - URL: http://www.isoc.org, TEL: +1 703 326 9880

Name of Forum	Khronos Group		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	2000.1
Object field	o Information Technology relating mainly to Digital Contents		

Organizational Structure	
Core Activities	o Mission - To creating open standard APIs to enable the authoring and playback of rich media on a wide variety of platforms and devices o Work Group Characteristics and Deliverables - 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 - Open VL: cross-platform API for full-function 2D and 3D graphics on embedded systems
2007 Results	o Progressing and/or completed Technology Standards(specifications) - OpenGL ES 2.0, OpenVG 1.0 Conformance Test
Membership and Fees	o Annual membership fee: Contributor Member($6,000 USD), Adopter Member($2,500 USD) o total number of members - Promoter: 18, Contributor: 96 o Names of main members and their countries - President, Neil Trevett (nVidia)
Cooperative Relationships	o WEB 3D Consortium
IPR policy	o Available(Royalty Free)
Contact Point	o Office location(city/country) - 1200 N. Bridge St. #212, Suite F Chillicothe, OH 45601 o URL and telephone number - URL: http://www.khronos.org, TEL: +1 415-869-8627

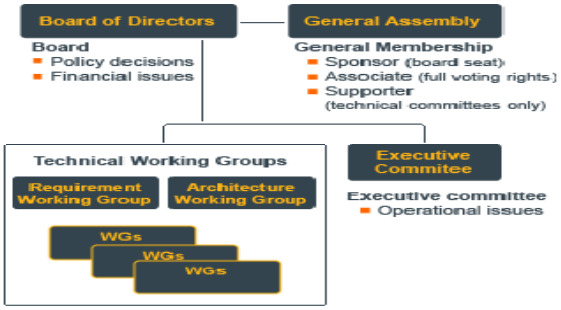
Name of Forum	LAP(Liberty Alliance Project)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2001.9
Object field	o Convergence services relating mainly to Electronic Commerce		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - ID- WSF(Web Service Framework) Version 2.0 Spec.
Membership and Fees	o Annual membership fee: Sponsor Member($5,000~ 50,000 USD), Associate Member($2,500 USD) o total number of members: 146 o Names of main members and their countries - Ericsson, France Telecom, GM, HP, INTEL, NTT, ORCLE
Cooperative Relationships	o ITU-T A.4, 5 OMA etc
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - Liberty Alliance Project 445 Hoes Lane Piscataway, NJ 08854 USA o URL and telephone number - URL: http://www.projectliberty.org, TEL: +1 (732) 465-6475

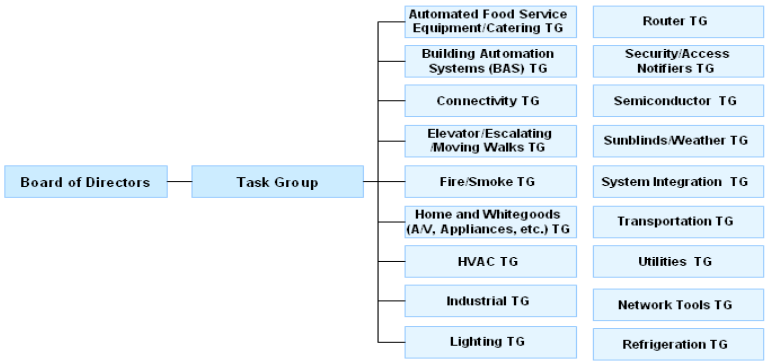
Name of Forum	Linux Foundation(Linux Foundation)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2007.1
Object field	o Information Technology relating mainly to u-Infra SW		

Organizational Structure	o N/A
Core Activities	o Mission: to fostering the growth of Linux - Protecting Linux by sponsoring key Linux developers and providing legal services - Standardizing Linux and improving it as a platform for software development o Work Group Characteristics and Deliverable - 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 adoption of Linux on next-generation mobile handsets and other converged voice/data portable devices.
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Founded in 2007 by the merger of the Open Source Development Labs (OSDL) and the Free Standards Group (FSG),
Membership and Fees	o Annual membership fee: Sponsor Member(70,000 €), advisor Member(30,000 €), Associate Member(5,000 €) o total number of members: 85 o Names of main members and their countries - ORACLE, INTEL, HP, Fujitsu, AMD, NEC
Cooperative Relationships	o N/A
IPR policy	o N/A
Contact Point	o Office location(city/country) - The Linux Foundation 210 Fell Street, Suite 16 San Francisco, CA 94102 o URL and telephone number - URL: http://www.linux-foundation.org, TEL: +1-415-723-9709

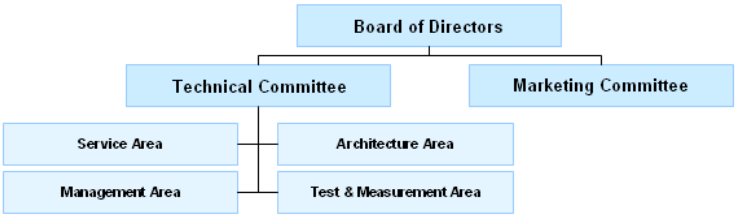
Name of Forum	LiPS Forum(Linux Phone Standard)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	2005.11
Object field	o Information Technology relating mainly to u-Infra SW		

Organizational Structure	
Core Activities	o Mission - Defines specifications for usage profiles on a range telephony terminals including smartphones, 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - LiPS Release 1.0 specifications
Membership and Fees	o Annual membership fee: Sponsor Member(Euro 25,000~ 100,000), Associate Member(Euro 5,000) o total number of members: 24 o Names of main members and their countries - France Telecom, Telecom Italia S.p.A, Cellon Co., Ltd. ,Huawei Technology Co., Ltd., Longcheer Holding Limited
Cooperative Relationships	o OMTP, OMA, Linux Foundation, CELF
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - LiPS Secretariat 650 Route des Lucioles 06921 Sophia Antipolis Cedex France o URL and telephone number - URL: http://www.lipsforum.org, TEL: +1 415 512 0770

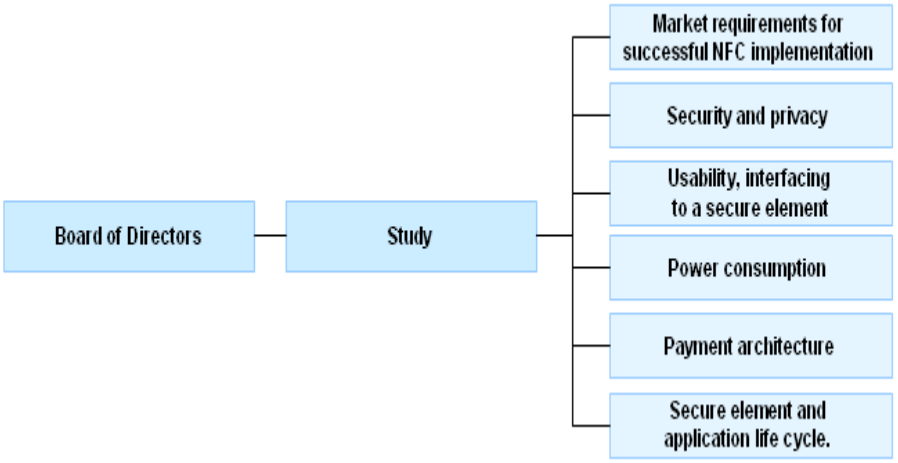
Name of Forum	Lonmark International		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1994.5
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	 그림 : http://www.lonmark.org/about/taskgrp.htm 참조
Core Activities	o Mission - promote and advance the business of efficient and effective integration of open, multi-vendor control systems utilizing ANSI/CEA 709.1 and related standards. o Work Group Characteristics and Deliverables - 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, & Air-Conditioning (HVAC) Task Group
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: Sponsor Member($20,000 USD), Partner Member($5,000 USD), Associate Member($1,000 USD) o total number of members: 238 o Names of main members and their countries - Circon Systems , Echelon Corporation, Fuji Electric Systems, NTT DATA CORPORATION ,Philips, Siemens
Cooperative Relationships	o N/A
IPR policy	o N/A
Contact Point	o Office location(city/country) - LONMARK International 550 Meridian Avenue San Jose, CA 95126 o URL and telephone number - URL: http://www.lonmark.org, TEL: +1 408 938 5266

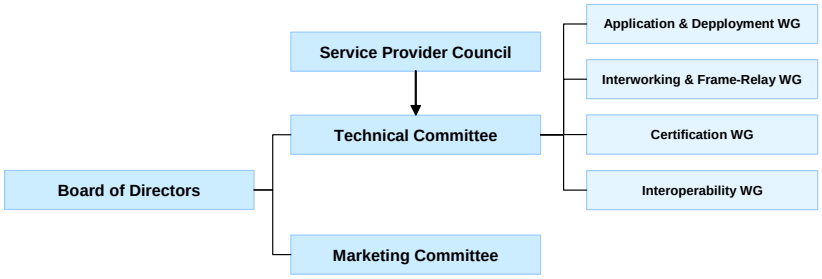
Name of Forum	MEF(Metro Ethernet Forum)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	2001
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - Develops technical specifications and implementation agreements to promote interoperability and deployment of Carrier Ethernet worldwide o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - Service OAM Framework and Requirement
Membership and Fees	o Annual membership fee: $ 15,000 USD o total number of members: 136 o Names of main members and their countries - Agilent Technologies, Alcatel, AT&T, CISCO, Lucent Technologies, Nortel Networks Corp
Cooperative Relationships	o ITU-T A.4, A.5 , MFA, IETF, IEEE802 etc
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - Metro Ethernet Forum 19900 MacArthur Blvd. Suite 810 Irvine, CA 92612 USA o URL and telephone number - URL: http://www.metroethernetforum.org, TEL: +1.949-250-7188

Name of Forum	MeT(Mobile Electronic Transactions) Initiative		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	2000.4
Object field	o Convergence services relating mainly to Electronic Commerce		

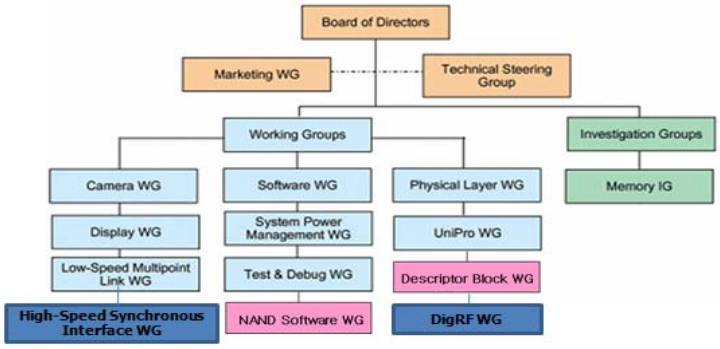
Organizational Structure	
Core Activities	o Mission - o Work Group Characteristics and Deliverables - - -
2007 Results	o Progressing and/or completed Technology Standards(specifications) - MeT Specification Version 1.1
Membership and Fees	o Annual membership fee: Sponsor Member, Associate Member o total number of members: 55 o Names of main members and their countries - Ericsson, NEC, Nokia and Panasonic
Cooperative Relationships	o Mobey Forum, NFC Forum, OMA
IPR policy	o N/A
Contact Point	o Office location(city/country) - o URL and telephone number - URL: http://www.mobiletransaction.org, TEL: +358 400 830543

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(mm/yyyy)	2005.4
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

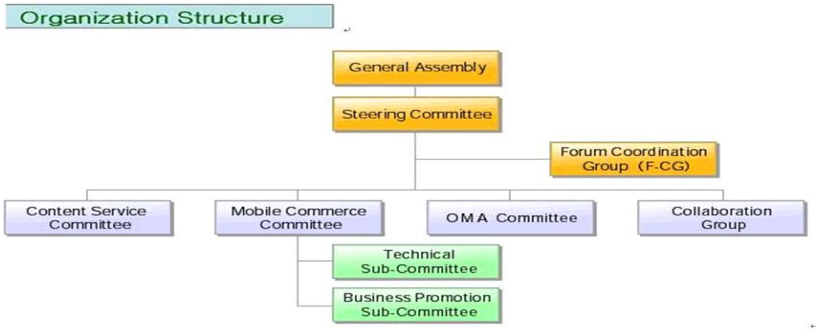
<table>
<tr><td>Organizational Structure</td><td colspan="3"> 
</td></tr>
<tr><td>Core Activities</td><td colspan="3">o Mission
- To drive the global success of IP/MPLS-based technology, networks, and services while focusing on application and deployment solutions.

o Work Group Characteristics and Deliverables
- 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</td></tr>
<tr><td>2007 Results</td><td colspan="3">o 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</td></tr>
<tr><td>Membership and Fees</td><td colspan="3">o Annual membership fee: Profit Member($6,000~12,000 USD), Non-Profit Member($5,000 USD)
o total number of members: 29
o Names of main members and their countries
- Verizon Communications, Cisco, Ericsson, Alcatel-Lucent</td></tr>
<tr><td>Cooperative Relationships</td><td colspan="3">o ITU-T A.4,A.5, IETF, MSF, MEF, OIF, IPsphere Forum</td></tr>
<tr><td>IPR policy</td><td colspan="3">o Available(RAND)</td></tr>
<tr><td>Contact Point</td><td colspan="3">o Office location(city/country)
- MFA Forum 39355 California Street #307 Fremont, CA 94538

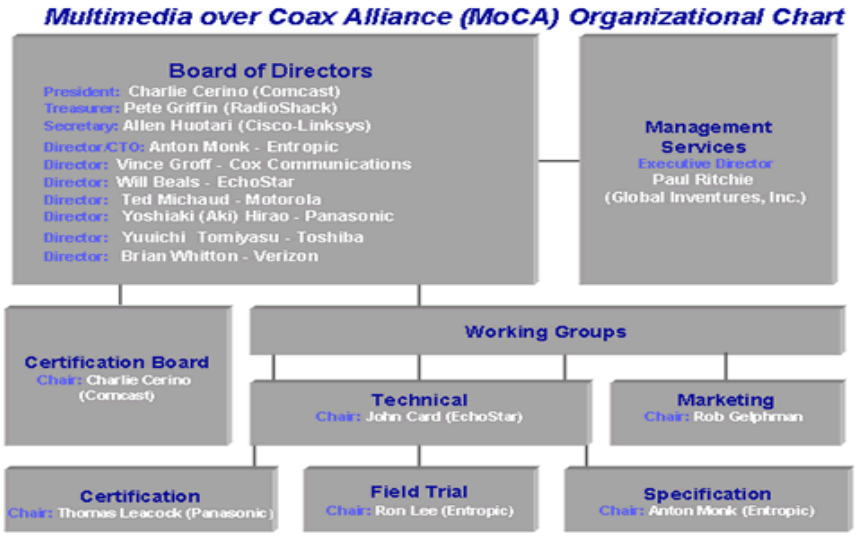
o URL and telephone number
- URL: http://www.mfaforum.org, TEL: +1-510-608-5910</td></tr>
<tr><td>Name of Forum</td><td colspan="3">MIPI(Mobile Industry Processor Interface) Alliance</td></tr>
<tr><td>Active Purpose</td><td>development of pre-standards</td><td>Established Date(mm/yyyy)</td><td>2003. 7</td></tr>
<tr><td>Object field</td><td colspan="3">o Convergence Infrastructure relating to Mobile Communication</td></tr>
</table>

Organizational Structure	
Core Activities	o Mission - Defining and promoting 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - MIPI SLIMBUS Specification, System Power Management Specification
Membership and Fees	o Annual membership fee: Adopter Member($7,500 USD), Contributor Member($30,000 USD),Promoter Member($37,000 USD) o total number of members: 336 o Names of main members and their countries - Intel, Motorola, Nokia, NXP Semiconductor, Saumsung, STMicroelectronics, Texas Instruments
Cooperative Relationships	o
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - MIPI Alliance, Inc. 445 Hoes Lane Piscataway, NJ 08854 USA o URL and telephone number - URL: http://www.mipi.org, TEL: +1.732.465.5841

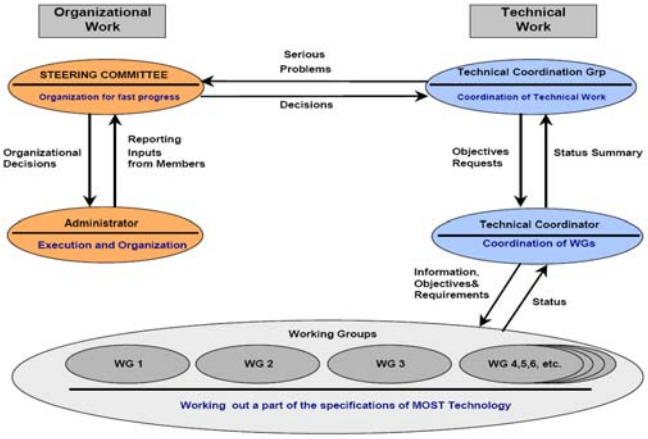
Name of Forum	mITF(Mobile IT Forum)		
Active Purpose	others	Established Date(mm/yyyy)	2001.6.25
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o Mission - To realize Future Mobile Communication Systems and Services such as the fourth-generation mobile communications systems and mobile commerce services o Work Group Characteristics and Deliverables - Content Service Committee: to study to advance 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	o Progressing and/or completed Technology Standards(specifications) - Change the mobile IT Forum organization
Membership and Fees	o Annual membership fee: 200,000 yen o total number of members: 89 o Names of main members and their countries - NTT DoCoMo,, KDDI, Motorola
Cooperative Relationships	o WWRF, NGMC Forum, Future Forum
IPR policy	o N/A
Contact Point	o Office location(city/country) - c/o ARIB (Association of Radio Industries and Businesses) Nittochi Bldg. 14F 1-4-1 Kasumigaseki Chiyoda-ku Tokyo 100-0013 JAPAN o URL and telephone number - URL: http://www.mitf.org, TEL: +81-3-5510-8594

Name of Forum	MoCA(Multimedia over Coax Alliance)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2004.1
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

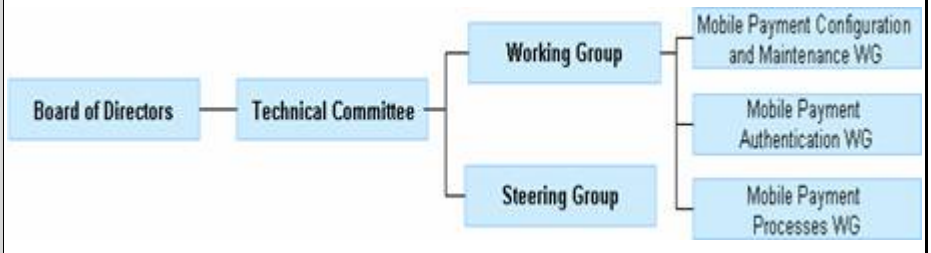
Organizational Structure	
Core Activities	o Mission - Promoting networking of multiple streams of high definition video and entertainment using existing coaxial cable already in the home o Work Group Characteristics and Deliverables - Technical Working Group - Marketing Working Group - Certification Working Group - Field Trial - Specification
2007 Results	o Progressing and/or completed Technology Standards(specifications) - MoCA Version 1.0, MocCA Version 1.1 MAC/PHY('07.9)
Membership and Fees	o Annual membership fee: Contributor Member($25,000 USD), Associate Member(12,000 USD) o total number of members: 50 o Names of main members and their countries - Cisco, Motorola, Comcast, EchoStar, Cisco, Motorola, Comcast, EchoStar
Cooperative Relationships	o
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - o URL and telephone number - URL: http://www.mocalliance.org, TEL: +1.925.275.6654

Name of Forum	MOST(Media Oriented Systems Transport) Cooperation		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1998
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

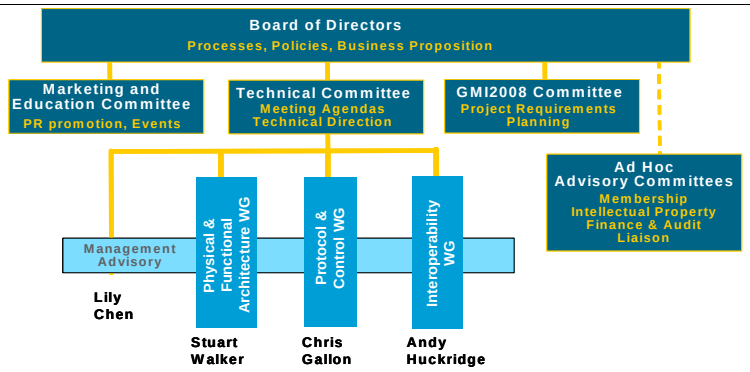
Organizational Structure	
Core Activities	o Mission - Designed from the ground up to provide an efficient and cost-effective fabric to transmit audio, video, data and control information between any devices attached even to the harsh environment of an automobile o Work Group Characteristics and Deliverables - - -
2007 Results	o Progressing and/or completed Technology Standards(specifications) - MOST Dynamic Specification Version 1.3
Membership and Fees	o Annual membership fee: EURO15,000 o total number of members: 89 (Partner 5, Associated Partner (carmakers) 12, Associated Partner (suppliers) 72 o Names of main members and their countries - Audi, BMW, Daimler Chrysler, Harman/ Becker
Cooperative Relationships	o
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - Administration Bannwaldallee 48 D-76185 Karlsruhe Germany o URL and telephone number - URL: http://www.mostcooperation.org, TEL: (+49) (0) 721-966-50-00

Name of Forum	MPEG Industry Forum(Moving Picture Expert Group)		
Active Purpose	others	Established Date(mm/yyyy)	1988
Object field	o Information Technology relating mainly to Digital Contents		
Organizational Structure			

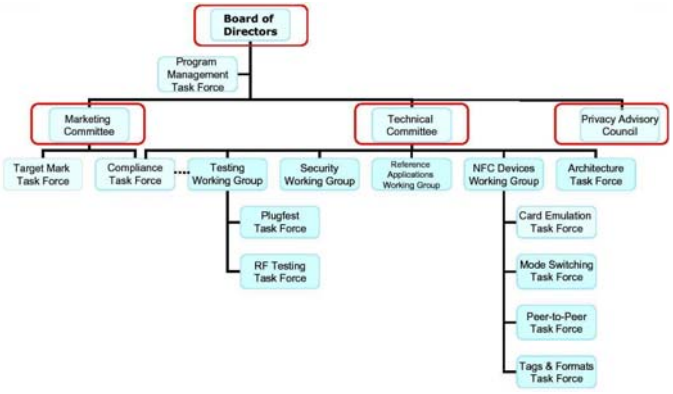
Core Activities	o Mission - To further the adoption of MPEG Standards, by establishing them as well accepted and widely used standards among creators of content, developers, manufacturers, providers of services, and end users o Work Group Characteristics and Deliverables - Promoting the emerging MPEG 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 Qualifciation Program - Organization of and participation in trade show events
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: Full Member($3,000 USD), Associate Member($300 USD) o total number of members: 41 o Names of main members and their countries - ATI Technologies,Motorola,Nero,NVIDIA Corporation
Cooperative Relationships	o JTC1 SC29 WG11
IPR policy	o N/A
Contact Point	o Office location(city/country) - MPEG Industry Forum 39355 California Street, Suite 307 Fremont, CA 94538 USA o URL and telephone number - URL: http://www.mpegif.org, TEL: +1 510-744-4025

Name of Forum	MPF(Mobile Payment Forum)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2001.11
Object field	o Convergence services relating mainly to Electronic Commerce		
Organizational Structure			

Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - Proximity Payment Activity(PPA), Two way messaging authentication
Membership and Fees	o Annual membership fee: Full Member($12,500 USD), Association Member($4,000 USD) o total number of members: 23 o Names of main members and their countries - Mastercard, VISA, Vodaphon, American-express, Nokia
Cooperative Relationships	o MeT, Mobey
IPR policy	o
Contact Point	o Office location(city/country) - Mobile Payment Forum 401 Edgewater Place, Suite 600 Wakefield, MA 01880 o URL and telephone number - URL: http://www.mobilepaymentforum.org, TEL: +1 781 876-8840

Name of Forum	MSF (MultiService Forum)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1998.11
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		
Organizational Structur			

Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables - Architecture Working Group: define the functional and physical of MSF compliant networks Architeture - 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	o Progressing and/or completed Technology Standards(specifications) - MSF Architecture Release 4
Membership and Fees	o Annual membership fee: Principle Member(18,750 USD), Non-Profit Member($7,500 USD), Education Member($500 USD) o total number of members: 35 o Names of main members and their countries - BT, Nortel, Nokia Giemens Networks, Verizon, Cisco Systems
Cooperative Relationships	o ITU-T, IETF, 3GPP, Parley Group, TMF, MFA, SIP Forum etc
IPR policy	o Available
Contact Point	o Office location(city/country) - Multiservice Switching Forum 48377 Fremont Blvd, Suite 117, Fremont, CA 94538 USA o URL and telephone number - URL: http://www.msforum.org, TEL:

Name of Forum	NFC(Near Field Communication) Forum		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2004. 3
Object field	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			

Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Marketing Committee: 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 * NFC Devices Technical Working Group * Reference Applications Framework Technical Working Group * Security Technical Working Group - Compliance Committee:
2007 Results	o Progressing and/or completed Technology Standards(specifications) - TAG type Technical Specification Type 1/2/3/4
Membership and Fees	o Annual membership fee: Principal Member($25,000 USD), Associate Member ($5,000 USD), Non-profit Member($1,000 USD) o total number of members: 124 o Names of main members and their countries - Nokia, Philips, Sony, Motorola, Samsung, MS
Cooperative Relationships	o ECMA, Bluetooth SIG, WIFI AllIANCE
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - NFC Forum 401 Edgewater Place, Suite 600, Wakefield, MA 01880, USA o URL and telephone number - URL: http://www.nfc-forum.org/home, TEL: +1 781-876-8955

Name of Forum	OAGi(Open Applications Group Initiative)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1994.11
Object field	o Convergence services relating mainly to Electronic Commerce		

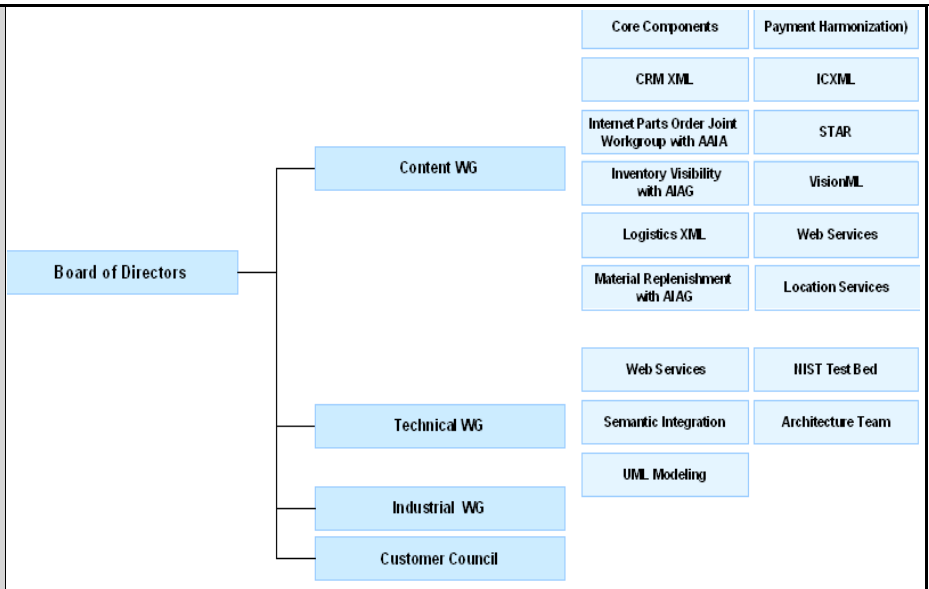
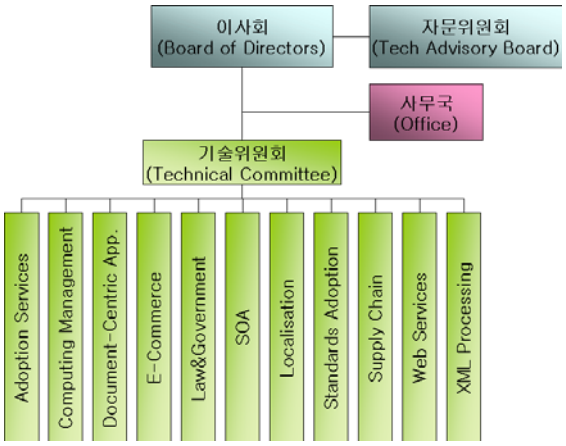
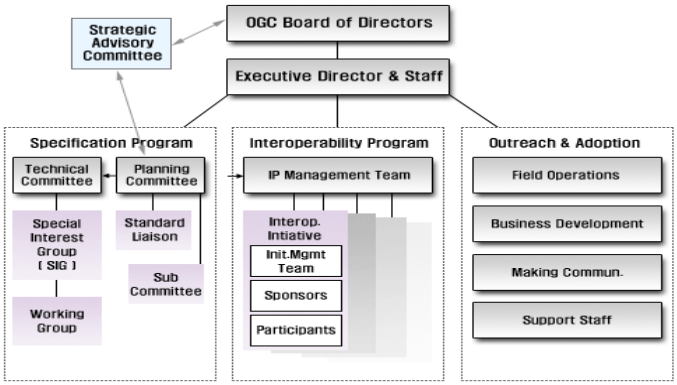
<table>
<tr><td>Organizational Structure</td><td> 

그림 : http://www.openapplications.org/wg/workgroups.htm 참조</td></tr>
<tr><td>Core Activities</td><td>o Mission
- To promote business process interoperability for both inter & 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 & intra enterprise business processes</td></tr>
<tr><td>2007 Results</td><td>o Progressing and/or completed Technology Standards(specifications)
- OAGIS 9.1 Schemas</td></tr>
<tr><td>Membership and Fees</td><td>o Annual membership fee: Board Member($20,000~ 30,000 USD), Architecture Council($10,000~ 15,000 USD), General Member($250~ 7,500 USD)
o total number of members: 36
o Names of main members and their countries
- Agilent Technologies, Ford Motor Company , IBM , Lucent Technologies</td></tr>
<tr><td>Cooperative Relationships</td><td>o ITU-T, ISO, IEC, WS-I etc</td></tr>
<tr><td>IPR policy</td><td>o</td></tr>
<tr><td>Contact Point</td><td>o Office location(city/country)
- Open Applications Group, Inc. PO Box 4897 Marietta, Georgia 30061

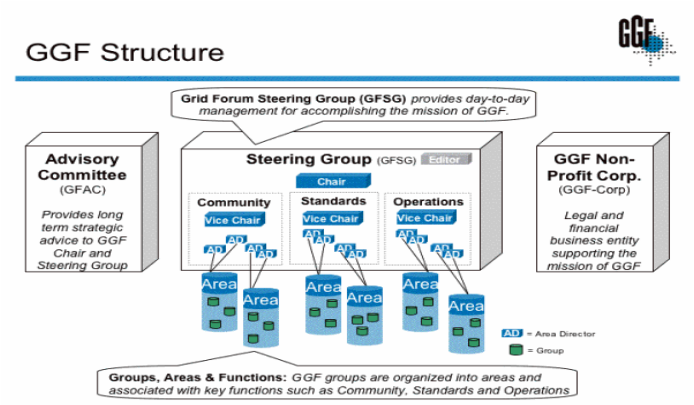
o URL and telephone number
- URL: http://www.openapplications.org, TEL: +1 678 715 7588</td></tr>
<tr><td>Name of Forum</td><td colspan="3">OASIS(Organization for the Advancement of Structured Information Standards)</td></tr>
<tr><td>Active Purpose</td><td>development of "de facto" standards</td><td>Established Date(mm/yyyy)</td><td>1993</td></tr>
<tr><td>Object field</td><td colspan="3">o Convergence services relating mainly to Electronic Commerce</td></tr>
</table>

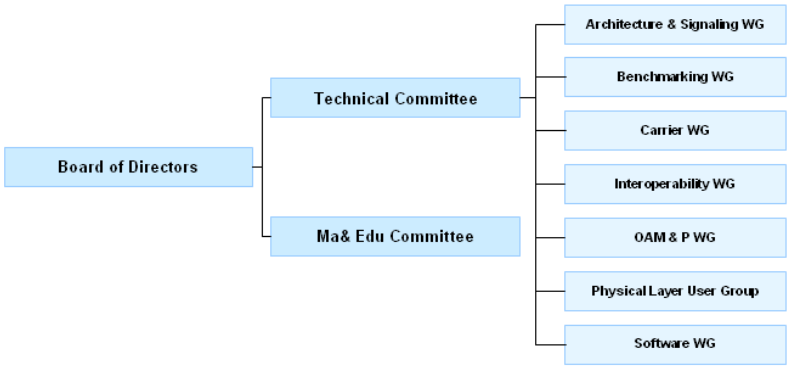
Organizational Structure	
Core Activities	o Mission - Drives the development, convergence and adoption of open standards for the global information society - Produces worldwide standards for security, Web services, conformance, business transactions, supply chain, public sector, and interoperability within and between marketplaces o Work Group Characteristics and Deliverables - ebXML Business Process - ebXML CPPA TC - ebXML Messaging Service TC
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Emergency Data Exchange Language(EDXL) Distribution Element v1.0 - XML Cataogs1.1
Membership and Fees	o Annual membership fee: Sponsor($10,000~16,000 USD), Contributor($1,100~8,000 USD), Associate($300 USD) o total number of members: 368 o Names of main members and their countries - SAP, IBM, MS, BEA Systems, Sun Microsystems, EDS
Cooperative Relationships	o IEC, ISO, ITU, UN/CEFACT
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - OASIS Post Office Box 455 Billerica, MA01821, USA o URL and telephone number - URL: http://www.oasis-open.org, TEL: +1-978-667-5115

Name of Forum	OGC(Open Geospatial Consortium)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1994
Object fiel	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

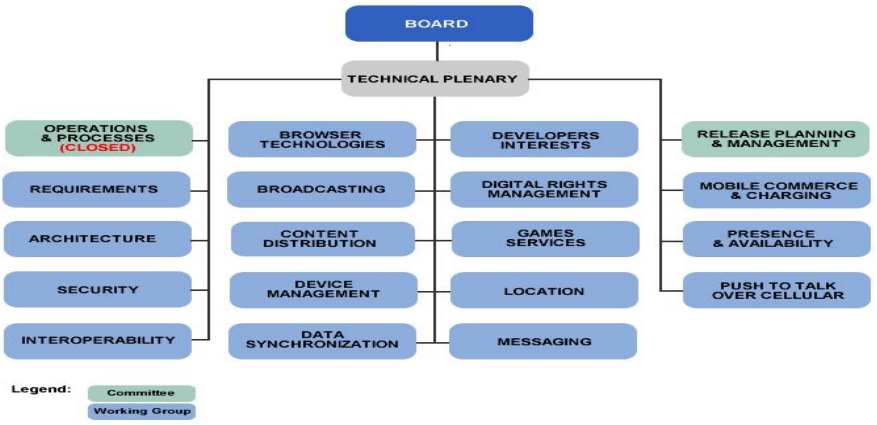
Organizational Structure	
Core Activities	o Mission - To promote the development and use of advanced open systems standards and techniques in the area of geoprocessing and related information technologies o Work Group Characteristics and Deliverables - Working Groups (WG) provide a forum for discussion 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 - Refe to Website: http://www.opengeospatial.org/projects/groups/wg
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Open GIS Catalog Service Implementation Specification
Membership and Fees	o Annual membership fee: Principal ($55,000 USD), Technical Committee ($11,000 USD), Associate Member($500~ 4,400 USD) o total number of members: 351 o Names of main members and their countries - NASA, GOOGLE, ORCLE, European Space Agency (ESA)
Cooperative Relationships	o MoU: ISO TC211
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - Open Geospatial Consortium, Inc. - Wayland Office (Headquarters) 35 Main Street, Suite 5 Wayland, MA 01778-5037 USA o URL and telephone number - URL: http://www.opengeospatial.org, TEL: + 1 812 334 0601

Name of Forum	OGF(OPEN Grid Forum)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1999. 6. 16
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

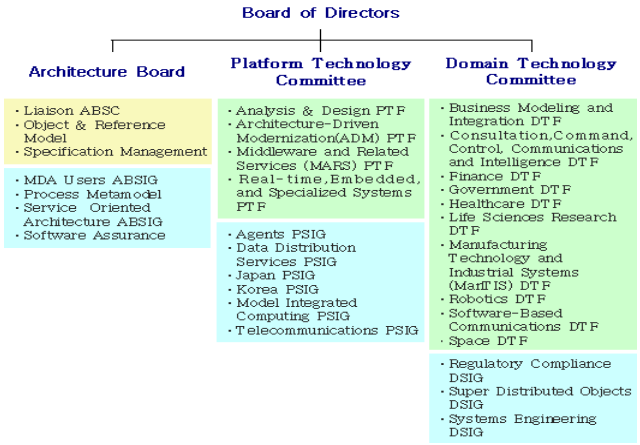
Organizational Structure			
Core Activities	o Mission - Accelerates grid adoption to enable business value and scientific discovery by providing an open forum for grid innovation and developing open standards for grid software interoperability. o Work Group Characteristics and Deliverables - eScience: 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	o Progressing and/or completed Technology Standards(specifications) -		
Membership and Fees	o Annual membership fee: o total number of members: 42 o Names of main members and their countries - IBM, HP, MS, SUN, Intel, Oracle, KISTI, CISCO		
Cooperative Relationships	o IETF, W3C. DMTF		
IPR policy	o		
Contact Point	o Office location(city/country) - Global Grid Forum 9700 South Cass Avenue Bldg 221/A142 Lemont, IL 60439 USA o URL and telephone number - URL: http://www.ogf.org, TEL: +1-630-252-4300		
Name of Forum	OIF(Optical Internetworking Forum)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1998.4
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - o Work Group Characteristics and Deliverables - - -
2007 Results	o Progressing and/or completed Technology Standards(specifications) - OIF-ENNI-OSPF Implementation Agreement v0.1, UNI Signaling 2.0
Membership and Fees	o Annual membership fee: Principal ($4,000 ~ 8,000 USD), Audit($3,000 USD), Academic($1,000 USD) o total number of members: 85 o Names of main members and their countries - Agilent Technologies, Alcatel, Intel, Taxas Instrument
Cooperative Relationships	o ITU-T SG13, 15, IEEE802.3, IETF, TMF
IPR policy	o Available
Contact Point	o Office location(city/country) - Optical Internetworking Forum 39355 California Street - Suite 307 Fremont, CA 94538 o URL and telephone number - URL: http://www.oiforum.com, TEL: +1.510.608.5928

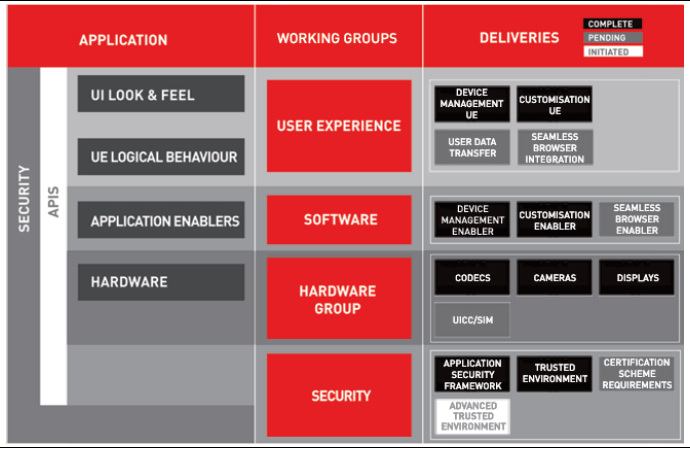
Name of Forum	OMA (Open Mobile Alliance)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	2002.06
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o Mission - Is the focal point for the development of mobile service enabler specifications, which support the creation of interoperable end-to-end mobile services o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - Refer to Website: http://www.openmobilealliance.org/Technical/releaseprogram.aspx
Membership and Fees	o Annual membership fee:: Full Member(32,500 USD), Assoicate Member($7,500 USD), Support Member($250 USD) o total number of members: 379 o Names of main members and their countries - Ericsson, IBM, LGE, Microsoft, Motorola, Nokia, NTT Docomo, Oracle, Samsung, Siemens, SK Telecom, SUN, T-Mobile, Verizon, Vodafone
Cooperative Relationships	o ETSI, 3GPP, 3GPP2
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - 4275 Executive Square Suite 240 La Jolla, CA92037, USA o URL and telephone number - URL: *http://www.openmobilealliance.org*, TEL:

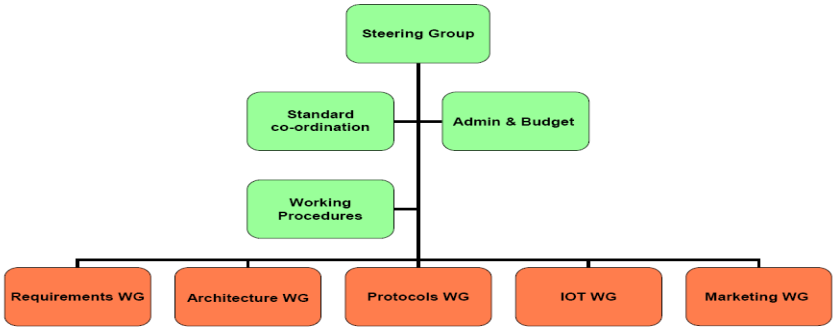
Name of Forum	OMG(Object Management Group)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1989. 4
Object field	o Information Technology relating mainly to u-Infra SW		

Organizational Structure	
Core Activities	o Mission - Develop enterprise integration standards for a wide range of technologies, including: Real-time, Embedded and Specialized Systems, Analysis & 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 o Work Group Characteristics and Deliverables - - -
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: o total number of members: 800 o Names of main members and their countries - SUN, HP
Cooperative Relationships	o
IPR policy	o
Contact Point	o Office location(city/country) - Object Management Group, Inc. 140 Kendrick Street, Building A, Suite 300 Needham, MA. 02494 U.S.A o URL and telephone number - URL: http://www.omg.org, TEL: +1-781-444 0404

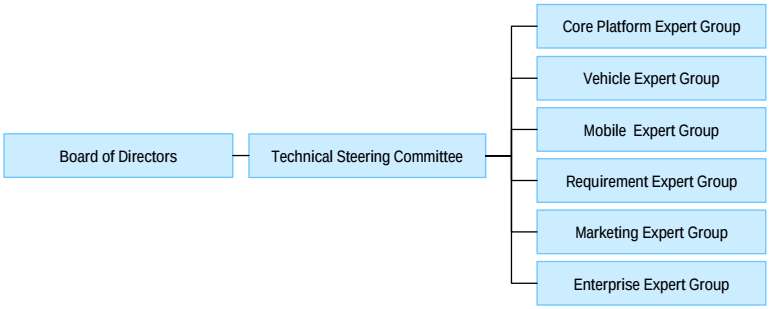
Name of Forum	OMTP(Open Mobile Terminal Platform)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2004.6
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Software Working Group - User Experience Group - Hardware Group - Security Group
2007 Results	o Progressing and/or completed Technology Standards(specifications) - OMA DRM V2 Enabled terminals
Membership and Fees	o Annual membership fee: Sponsor Member(70,000 €), adviser Member(30,000 €), Associate Member(5,000 €) o total number of members: 43 o Names of main members and their countries - Cingular Wireless, Hutchinson 3G, KPN, Telecom Italia, Vodafonet
Cooperative Relationships	o ETSI, GSMA, OMA, OMSI ,Korea Wireless Internet Standardization Forum (KWISF),
IPR policy	o
Contact Point	o Office location(city/country) - OMTP Ltd. Gainsborough House 17-23 High Street Slough, Berkshire SL1 1DY United Kingdom o URL and telephone number - URL: http://www.omtp.org, TEL: +44 (0)20 7183 1783

Name of Forum	Open IPTV Forum		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2007.3
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Requirements Working Group - Architecture Working Group - Solution Working Group - IOT Working Group - Marketing Working Group
2007 Results	o Progressing and/or completed Technology Standards(specifications) - OIPTV Specification release 1.0(Processing) - OIPTV Interoperability Specification Release 1.0
Membership and Fees	o Annual membership fee: EURO12,000 o total number of members: 8 o Names of main members and their countries - Ericsson, France Telecom, Nokia Siemens, Panasonic, Philips, Samsung, Sony, and Telecom Italia
Cooperative Relationships	o
IPR policy	o Available(FRAND)
Contact Point	o Office location(city/country) - OMTP Ltd. Gainsborough House 17-23 High Street Slough, Berkshire SL1 1DY United Kingdom o URL and telephone number - URL: http://www.openiptvforum.org, TEL: +44 (0)20 7183 1783

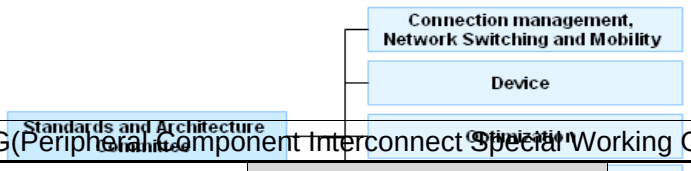
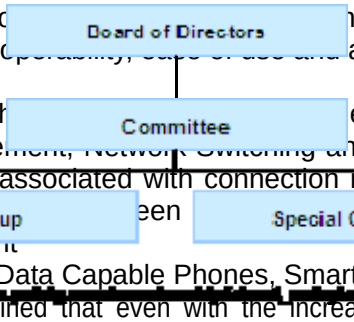
Name of Forum	OSGi Alliance		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1999.3
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

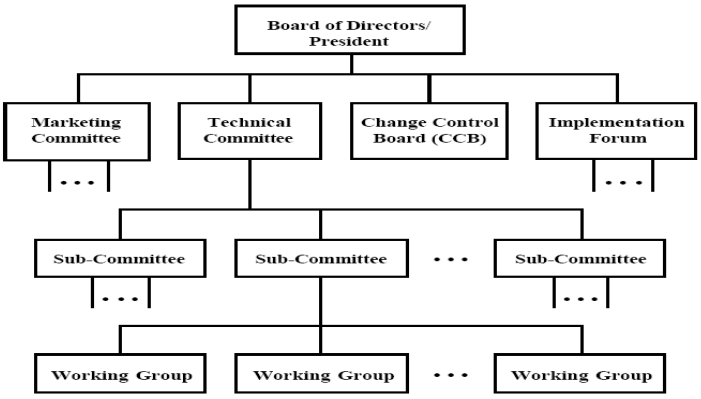
Organizational Structure	 그림 : http://www2.osgi.org/WG/HomePage 참조
Core Activities	o Mission - Promotes widespread adoption of the OSGi Service Platform to assure interoperability of applications and services delivered and managed via networks. To realize this mission, the alliance provides specifications, reference implementations, test suites and certification to foster a valuable cross-industry ecosystem o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - OSGi Service platform Version 4.1
Membership and Fees	o Annual membership fee: Full Member($20,000 USD), Adopter Member($3,000 USD) o total number of members: 39 o Names of main members and their countries - Aplix/ BMW/ IBM/ Nokia/Intel/ Oracle/ Sun Microsystems
Cooperative Relationships	o Partnerships: HGI, ERTICO, GST
IPR policy	o Available
Contact Point	o Office location(city/country) - Bishop Ranch 6 2400 Camino Ramon, Suite 375 San Ramon, CA 94583 USA o URL and telephone number - URL: http://www.osgi.org, TEL:

Name of Forum	Parlay Group		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1998. 3.
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

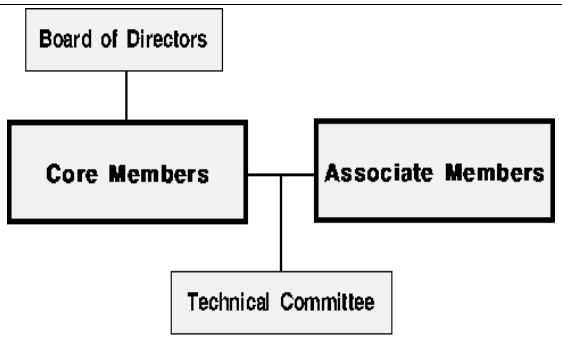
Organizational Structure	 sn
Core Activities	o Mission - To develop open, technology-independent application programming interfaces (APIs) that enable the development of applications that operate across multiple, networking-platform environments - Facilitate the production of test suites and reference code in multiple technologies that enable developers to create related products and services that operate across wireless, Internet-protocol (IP), and public-switched networks o Work Group Characteristics and Deliverables - Call Control & 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	o Progressing and/or completed Technology Standards(specifications) - Parlay/OSA APIs., Parlay X Web Services
Membership and Fees	o Annual membership fee: Full Member($20,000 USD), Affiliate Member ($7,500 USD) o total number of members: 36 o Names of main members and their countries – BT, Orange, IBM, Alcatel, Lucent, Aepona, Ericsson, NTT
Cooperative Relationships	o ITU, 3GPP, ETSI, PAM Forum
IPR policy	o
Contact Point	o Office location(city/country) - The Parlay Group 2400 Camino Ramon, Suite 375,. San Ramon, CA 94583 USA o URL and telephone number - URL: http://www.parlay.org, TEL: 1.925.275.6642

Name of Forum	PCCA(Portable Computing and Communication Association)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1992.6
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

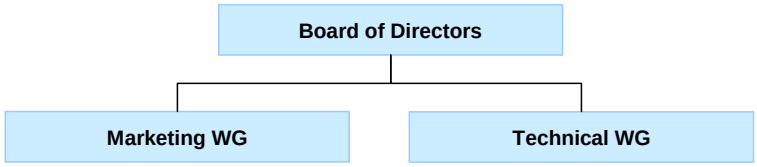
Organizational	
Name of Forum	PCI-SIG(Peripheral Component Interconnect Special Working Group)
Active Purpose	development of "de facto" standards
Established Date(mm/yyyy)	1992
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc
Organizational Structure	o Mission - To evaluate new mobile and wireless technologies, to assess their effectiveness, and to ndustry, particularly with respect to inter application efficiency  o Work Group(Topic) Ch es - Connection manage Switching and Mobility : discusses the multiple issues associated with connection management, session mai een k, and mobility management - Devices (Modems, Data Capable Phones, Smartphones) - Optimization: determined that even with the increased throughput speeds available with 3G networks
Core Activities	o Mission - To deliver a stable, straightforward and compatible standard for PCI(Peripheral Component Interconnect) devices o Progressing and/or completed Technology Standards(specifications) *** 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 - PCI-SIG Technical Workgroups: is devoted to furthering the PCI specifications
2007 Results	o Annual membership fee: Executive Member($5,000 USD), Associate Member($2,500 USD), Affiliate Member($750 USD) o total number of members: 26 o Names of main members and their countries - Flash Networks, Intel, iPass, QUALCOMM, Sony, Toshiba o The open Group, Mobile Management Forum, Mobile Computing Promotion Consortium o Work Group Characteristics and Deliverables o Available(RAND)
Membership and Fees	o Office location(city/country) - PCI EXPRESS 2.0 - Corporate Headquarters 980A University Ave Los Gatos, CA 95032 - Refer to website: http://www.pcisig.com/specifications/ o Annual membership fee: $ 3,000 USD o URL and telephone number o total number of members: 905 - URL : http://www.pcca.org, TEL : 1 541 490 5140 o Names of main members and their countries - IBM, AMD, Broadcom, HP, Intel, Microsoft Corporation, NVIDIA
Cooperative Relationships	o
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - PCI-SIG 3855 SW 153rd Drive Beaverton, OR 97006 o URL and telephone number - URL: http://www.pcisig.com/, TEL: +1 503-619-0569

Name of Forum	PCMCIA(Personal Computer Memory Card International Association)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1989
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		
Organizational Structure			
Core Activities	o 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	o Progressing and/or completed Technology Standards(specifications) - EXPRESS CARD SPECIFICATION		
Membership and Fees	o Annual membership fee: Executive Member($4,500 USD), Affiliate Member(2,500 USD) o total number of members: 148 o Names of main members and their countries - GE Aviation, Hewlett Packard, Intel, Microsoft Corporation		
Cooperative Relationship	o		
IPR policy	o Available(RAND)		
Contact Point	o Office location(city/country) - PCMCIA 2635 North First Street Suite #218 San Jose, CA 95134 USA o URL and telephone number - URL: http://www.pcmcia.org, TEL: +1 (408) 433-2273		

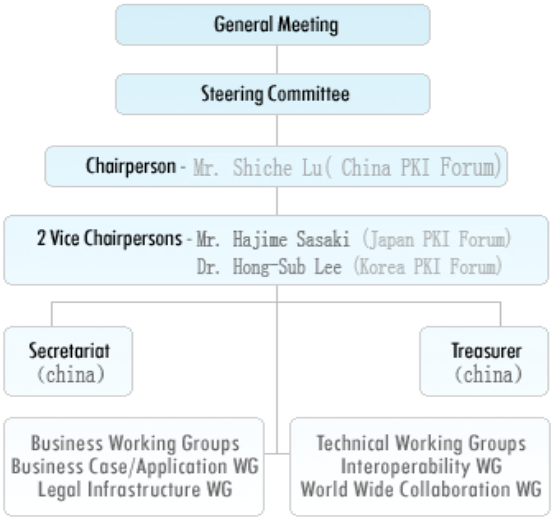
Name of Forum	PC/SC Workgroup		
Active Purpose	development of specifications in order to	Established Date(mm/yyyy)	1996.5

	implement and ensure the interoperability		
Object field	o Convergence services relating mainly to Electronic Commerce		
Organizational Structure			
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Standardize interfaces to Interface Devices (IFDs). - Specify common PC programming interfaces and control mechanisms		
2007 Results	o Progressing and/or completed Technology Standards(specifications) - PC/SC Version 2.01.4		
Membership and Fees	o Annual membership fee: core member($5,000 USD), Associate Member($2,000 USD) o total number of members: 19 o Names of main members and their countries - Gemplus, Infineon, Microsoft, TOSHIBA		
Cooperative Relationships	o		
IPR policy	o		
Contact Point	o Office location(city/country) - 9 Crow Canyon Court, Suite 108 San Ramon, CA 94583 o URL and telephone number - URL: http://www.pcscworkgroup.com, TEL: 925-855-0558		

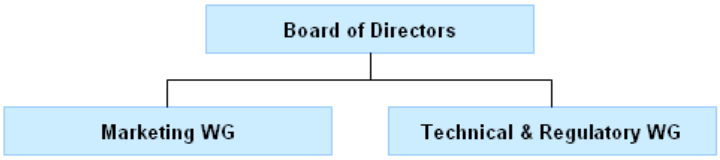
Name of Forum	PICMG(PCI Industrial Computer Manufacturers Group)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1994

Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc
Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Technical subcommittees: are responsible for the development of PICMG specifications - -
2007 Results	o Progressing and/or completed Technology Standards(specifications) - 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	o Annual membership fee: Executive Member($2,500 USD), Affiliate Member(1,750 USD) o total number of members: 380 o Names of main members and their countries - Gemplus, Infineon, Microsoft, TOSHIBA
Cooperative Relationships	o SA FORUM
IPR policy	o N/A
Contact Point	o Office location(city/country) - PICMG c/o Virtual, Inc. 401 Edgewater Place, Suite 600 Wakefield, MA 01880 USA o URL and telephone number - URL: http://www.picmg.org, TEL: 1-781-246-9318

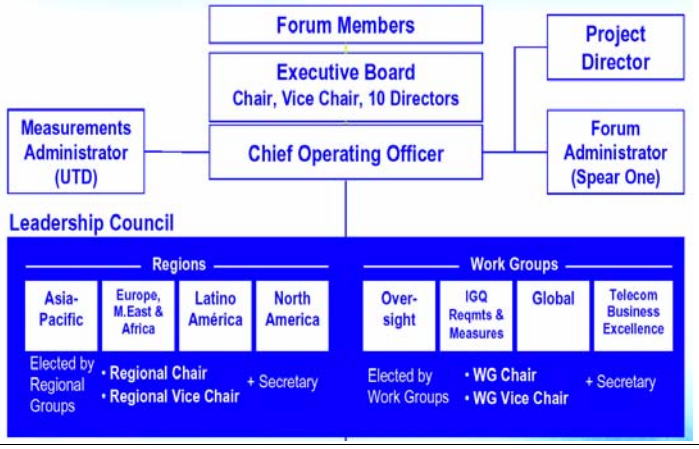
Name of Forum	PKI FORUM(ASIA PKI Forum)		
Active Purpose	others	Established Date(mm/yyyy)	2001.6
Object field	o Information Technology relating mainly to Security		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Legal Infrastracture WG - Business Case/AP WG - Interoperability WG
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: - o total number of members: 9 o Names of main members and their countries - 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	o
IPR policy	o
Contact Point	o Office location(city/country) - N/A o URL and telephone number - URL: http://www.asia-pkiforum.org, TEL:

Name of Forum	PLC(Power-Line Communication) Forum		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1998
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	 그림 : http://www.plcforum.org/index.html 참조
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables(Issue) - 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/ standardisation so that technology is not a market-limiting factor. - Business Case: Support members in the creation of appropriate commercial and financial models
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: EURO 5,000 o total number of members: 29 o Names of main members and their countries - Mitsubishi Electric Corporation, Telvent Energía y Medio Ambiente, S.A. Toyo Network Systems Co. Ltd
Cooperative Relationships	o ETSI
IPR policy	o
Contact Point	o Office location(city/country) - PLCforum Secretariat c/o Homega Research 1240 Route des dolines - BP 287 Valbonne 06905 Sophia Antipolis Cedex - France o URL and telephone number - URL: http://www.plcforum.org, TEL: +33 / (0) 493 001 550

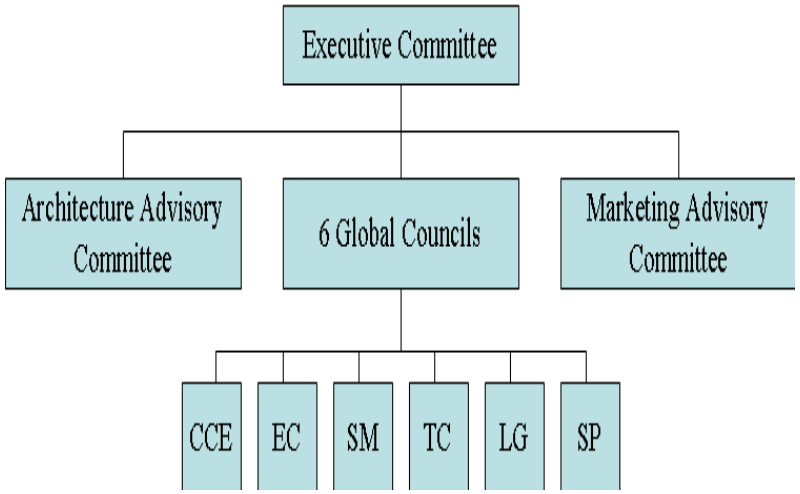
Name of Forum	Ouest Forum(Quality Excellence for Suppliers of Telecommunications)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1998
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - GlobalComm: Develop and implement global work structures - Integrated Global Quality Requirements and Measurements (IGQ),:Deliver effective TL 9000 requirements and measurements documents - Telecom Business Excellence (TBE): Improve QuEST Forum best practices processes
2007 Results	o Progressing and/or completed Technology Standards(specifications) - TL 9000: Requirement of telecommunication Quality management system
Membership and Fees	o Annual membership fee: Full Member($5,000~ 12,000 USD), Affiliate Member($5,000 USD) o total number of members: 99 o Names of main members and their countries - AT&T, NTT, ALCATEL CISCO
Cooperative Relationships	o ISO, IEC
IPR policy	o
Contact Point	o URL and telephone number - URL: http://www.questforum.org/index.htm, TEL: +1 972-661-6420

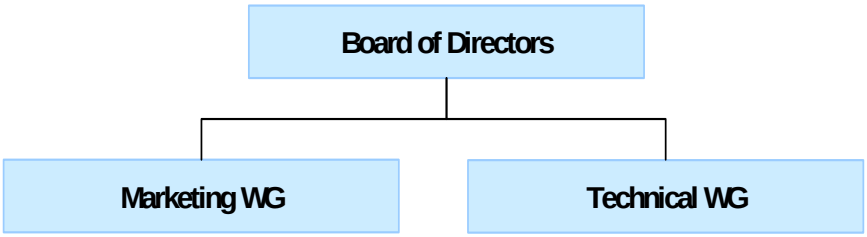
Name of Forum	Road to 100G Alliance		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2007.1
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - - -
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: $2,000 USD o total number of members: 5 o Names of main members and their countries - Bay micro systems, Enigma, IP Infusion, Lattice
Cooperative Relationships	o IEEE802
IPR policy	o
Contact Point	o Office location(city/country) - The Road to 100g Alliance 5126 Stevens Creek Blvd. Suite 10 San Jose, CA 95129 o URL and telephone number - URL: http://www.roadto100g.org, TEL: +1 972-661-6420

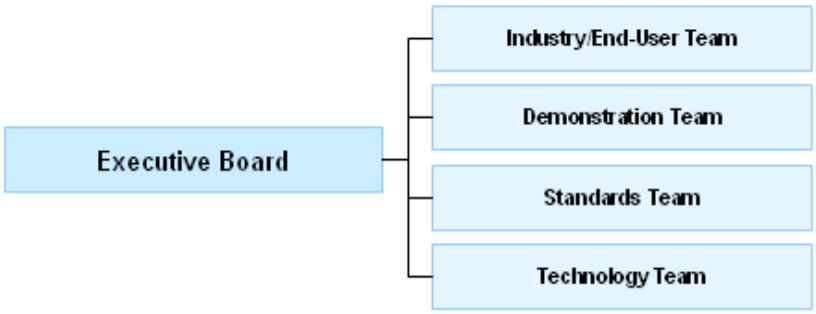
Name of Forum	RosettaNet Consortium		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1998.3
Object field	o Convergence services relating mainly to Electronic Commerce		

Organizational Structure	
Core Activities	o Mission - 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	o Progressing and/or completed Technology Standards(specifications) - IDA(Information Distribution Agreement) - PIP3A1(Request Quote) and PIP3A4(Request Purchase Order) - PIP2A10(Distribute Design Engineering Information)
Membership and Fees	o Annual membership fee: Global council Member($80,000 USD), Global Partner Member($4,500 USD) o total number of members: 6 o Names of main members and their countries - BIntel, Nokia, HP, IBM, Cisco Systems, Exel
Cooperative Relationships	o
IPR policy	o Available(Royalty Free)
Contact Point	o Office location(city/country) - Lawrenceville, New Jersey, USA o URL and telephone number - URL: http://www.rosettanet.org/, TEL: +1.609.620.0200

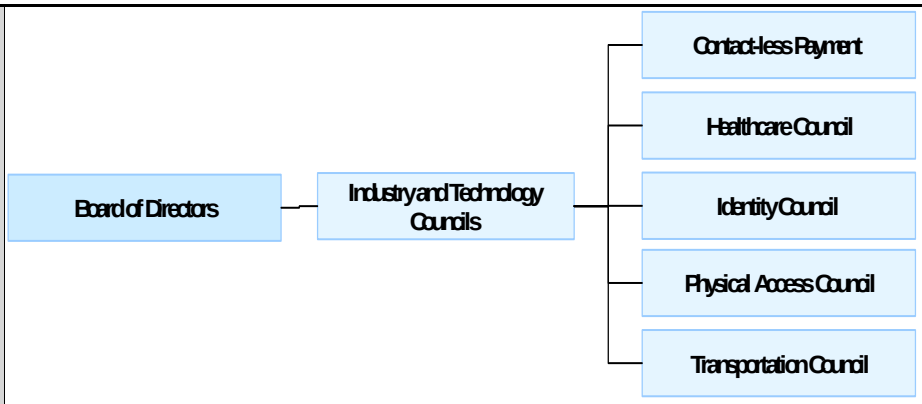
Name of Forum	SA Forum(Service Availability)		
Active Purpose	others	Established Date(mm/yyyy)	2001
Object field	o Information Technology relating mainly to u-Infra SW		

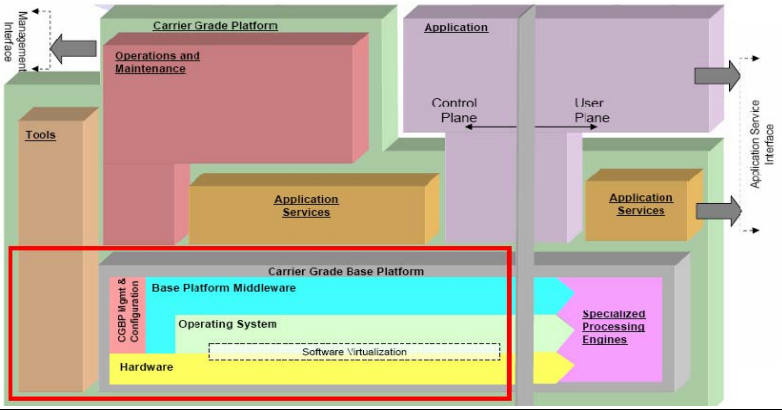
Organizational Structure	 그림 : http://www.saforum.org/about/officers/참조
Core Activities	o Mission - To improve this situation by developing the missing standard interfaces necessary to enable the delivery of highly available carrier-grade systems with off-the-shelf hardware platforms, middleware and service applications o Work Group Characteristics and Deliverables - Specifications are hardware independent - Specifications are OS independent - Collaborate with other standards bodies and integrate relevant specifications
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Hardware Platform Interface Specification B.02 - Application Interface Specification B.03
Membership and Fees	o Annual membership fee: Promoter Member($25,000 USD), Contributor Member($10,000 USD), Adaptor Member($2,000 USD) o total number of members: 35 o Names of main members and their countries - GoAhead Software, Ericsson, Motorola. Intel, RADISYS, Alcatel-Lucent, Nortel Networks, Nokia, Fujitsu, NEC
Cooperative Relationships	o SCOPE Alliance, Linux Foundation
IPR policy	o
Contact Point	o Office location(city/country) - 3855 SW 153rd Drive Portland, OR 97006 o URL and telephone number - URL: http://www.saforum.org, TEL: +1 503-619-0576

Name of Forum	SAL-C(Smart Active Label Consortium)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2002
Object field	o Convergence services relating mainly to RFID/USN		

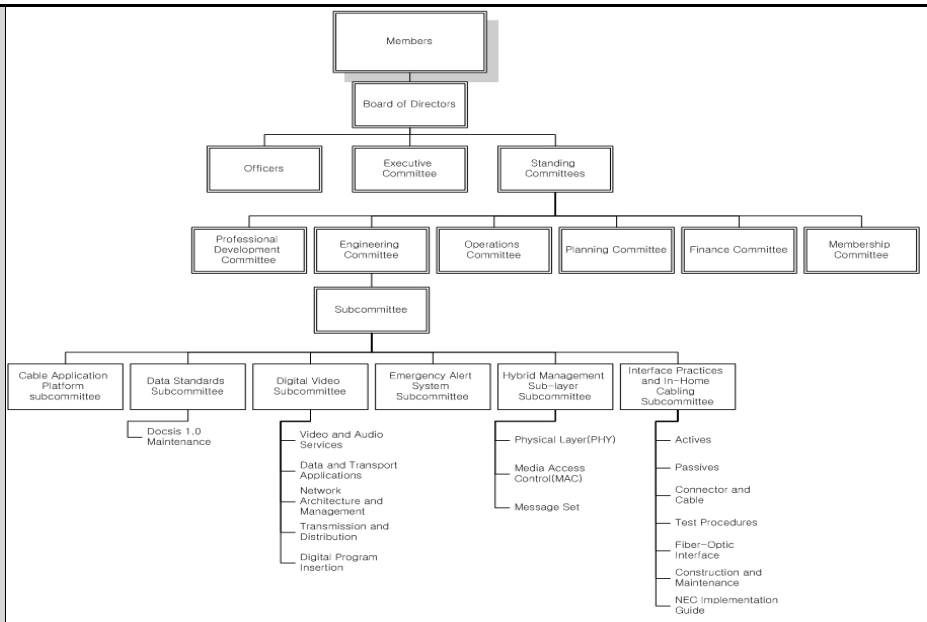
Organizational Structure	 그림 : http://www.sal-c.org/pdfs/sal_recruitment.pdf 참조
Core Activities	o Mission - o Work Group Characteristics and Deliverables - Industrial & End User Team - Demonstration Team - Standard Team: - Technical Team: developed Technologies of power source, RF, Sensing and Semiconductor
2007 Results	o Progressing and/or completed Technology Standards(specifications) - SMART Active Label(SAL)
Membership and Fees	o Annual membership fee: Executive Member($50,000~` 100,000 USD), Principal Member($7,500~ 25,000 USD), Associate Member(5,000 USD) o total number of members: 12 o Names of main members and their countries - IDTechEX, ETRI, Powerpaper, White electric Designs
Cooperative Relationships	o UCC, EAN, AutoID
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - o URL and telephone number - URL: http://www.sal-c.org, TEL: +1 781 876 8833

Name o Forum	SCA(Smart Card Alliance)		
Active Purpose	others	Established Date(mm/yyyy)	2001
Object field	o Convergence services relating mainly to Electronic Commerce		

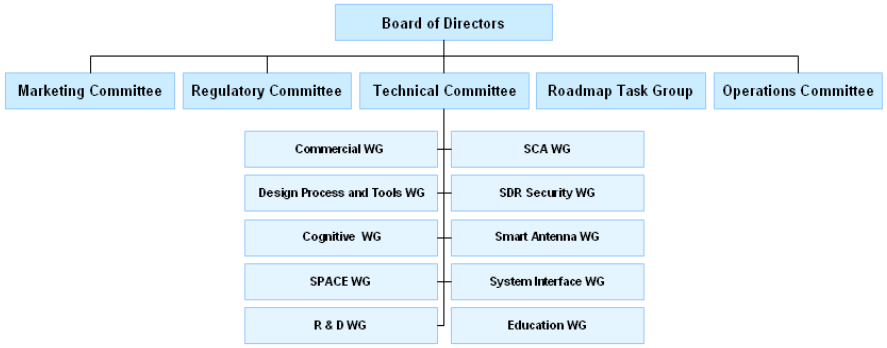
Organizational Structure			
Core Activities	o Mission - To stimulate the understanding, adoption, use and widespread application of smart card technology o Work Group Characteristics and Deliverables - Contactless Payments Council: to focus on facilitating the adoption of contactless payments in the 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: focused on accelerating the widespread acceptance, usage, and application of smart card technology for physical access control - Transportation Council: promoting the adoption of interoperable contactless smart card payment systems for transit and other transportation services		
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A		
Membership and Fees	o Annual membership fee: General Member($4,000 USD), Government Member($1,500 USD), University Member(($1,500 USD), Associate Member(($1,000 USD) o total number of members: 156 o Names of main members and their countries - Hitachi America Ltd.MasterCard International, Visa USA		
Cooperative Relationships	o		
IPR policy	o		
Contact Point	o Office location(city/country) - Alliance Team Headquarters Office 191 Clarksville Rd. Princeton Junction, NJ 08550 o URL and telephone number - URL: http://www.smartcardalliance.org, TEL: +1800-556-6828		
Name of Forum	SCOPE Alliance		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2006.1
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - To accelerating 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - Carrier Grade Base Platform Middleware - Carrier Grade Linux Profile 1.2
Membership and Fees	o Annual membership fee: Contributor Member($10,000 USD), Supporter Member($1,000 USD) o total number of members: 20 o Names of main members and their countries - Ericsson, Alcatel-Lucent, Huawei, Motorola, NEC
Cooperative Relationships	o OSDL, SA Forum
IPR policy	o
Contact Point	o Office location(city/country) - SCOPE Administrator c/o IEEE-ISTO 445 Hoes Lane Piscataway, NJ 08854 o URL and telephone number - URL: http://www.scope-alliance.org, TEL: +1-978-824-0111

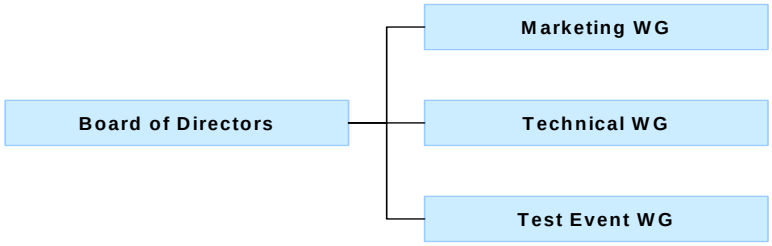
Name of Forum	SCTE (Society of Cable Television Engineers)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1969
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure	
Core Activities	o Mission - Provides technical leadership for the telecommunications industry and serves its members through professional development, standards, certification and information o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - CATV Interface Practice, - CATV Data Standard(DDS), Digital Video Service
Membership and Fees	o Annual membership fee: $350 USD o total number of members: 130 o Names of main members and their countries
Cooperative Relationships	o ITU, ETSI
IPR policy	o Available
Contact Point	o Office location(city/country) - 140 Philips road, Exton, Pa 19341-1318, U.S.A. o URL and telephone number - URL: http://wwww.scte.org, TEL: +1-800-542-5040

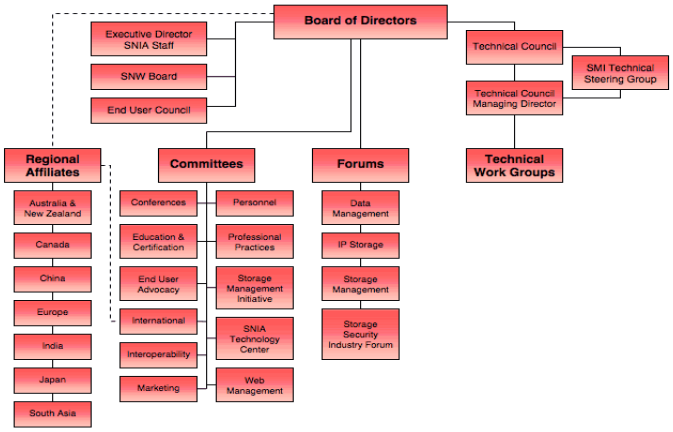
Name of Forum	SDR (Software Defined Radio) Forum		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1996
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	 그림 : http://www.sdrforum.org/pages/committeesAndGroups/committeesAndGroups.asp 참조
Core Activities	o Mission - To supporting the development and deployment of software defined and cognitive radio technologies that enable flexible and adaptable architectures in advanced wireless systems o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - Software Communication Architecture
Membership and Fees	o Annual membership fee: Profit Member($2,500~ 8,500USD), Government and non-profit Member($2,500 USD) o total number of members: 103 o Names of main members and their countries - THALES COMMUNICATIONS France Telecom, Hitachi Kokusai Electric, NTT DoCoMo, Qualcomm
Cooperative Relationships	o 3GPP, RAST, OMG, OMA
IPR policy	o
Contact Point	o Office location(city/country) - SDR Forum, 1616 17th Street, Suite 264 Denver, CO 80202 o URL and telephone number - URL: http://www.sdrforum.org, TEL: +1-978-824-0111

Name of Forum	SIP Forum(Session Initiation Protocol)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1997
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	 그림 : http://www.sipforum.org/content/view/25/131/ 참조
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - 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 insure the effective execution of product interoperability test events operated or sponsored by the SIP Forum
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: EURO 5,000 o total number of members: 34 o Names of main members and their countries - Pingtel Corp, Cisco Systems, Ericsson, Lucent
Cooperative Relationships	o IETF
IPR policy	o
Contact Point	o Office location(city/country) - SIP Forum c/o Matrisen AB Box 22059 104 22 Stockholm Sweden o URL and telephone number - URL: http://www.sipforum.org, TEL: +1-978-824-0111

Name of Forum	SNIA(Storage Networking Industry Association)		
Active Purpose	others	Established Date(mm/yyyy)	1997.12
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - Lead the storage industry worldwide in developing and promoting standards, technologies, and educational services to empower organizations in the management of information o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - SMI-S, DDF
Membership and Fees	o Annual membership fee: Voting Vendor($12,500~ 30,000 USD), IT END user($1,000 USD), Private Member($300 USD) o total number of members: 382 o Names of main members and their countries - Brocade, Cisco, CA, Dell, EMC, Hewlett-Packard
Cooperative Relationships	o ARMA International, DMTF, FCIA, OGF
IPR policy	o -
Contact Point	o Office location(city/country) - 500 Sansome Street, Suite #504, San Francisco, CA 94111 o URL and telephone number - URL: http://www.snia.org, TEL: (415)-402-0006

Name of Forum	TM Forum(Tele-management)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1988
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Technical Committee - Operation Committee - Business/Education Committee
2007 Results	o Progressing and/or completed Technology Standards(specifications) - New Generation Operation and Software Release 6.1
Membership and Fees	o Annual membership fee: $1,350~ 50,000 USD o total number of members: 500 o Names of main members and their countries - Argent Networks Limited, AT&T Inc. China Telecommunications Lucent Technologies Inc.
Cooperative Relationships	o ITU-T A.4, A.5
IPR policy	o -
Contact Point	o Office location(city/country) - Headquarters: 240 Headquarters Plaza East Tower, 10th Floor Morristown, NJ 07960-6628 USA o URL and telephone number - URL: http://www.tmforum.org, TEL: +1 973-944-5100

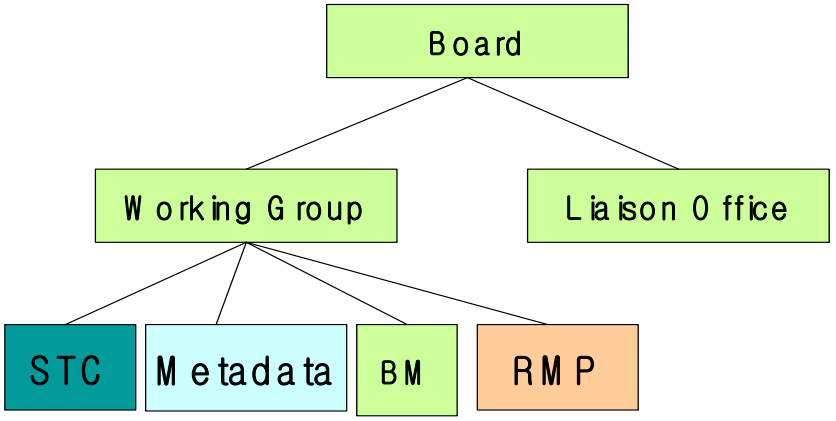
Name of Forum	TOG(The Open Group)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1996.2
Object field	o Information Technology relating mainly to u-Infra SW		
Organizational Structure	N/A		

Core Activities	o Mission: Boundaryless Information Flow™ achieved through global interoperability - To drive the creation of Boundary less Information Flow™ achieved by: · 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - TOGAF(TOG Architecture Framework) V9.0 - Application Response Measurement
Membership and Fees	o Annual membership fee: platinum Member, Gold Member, Silver Member o total number of members: 255 o Names of main members and their countries - Energistics, Hewlett-Packard Fujitsu Limited, , Hitachi Limited, IBM, NEC Corporation
Cooperative Relationships	o OMG, DMTF, TM Forum, IETF, OASIS
IPR policy	o
Contact Point	o Office location(city/country) - The Open Group 44 Montgomery Street Suite 960 San Francisco, CA 94104-4704, USA o URL and telephone number - URL: http://www.opengroup.org, TEL: +1 (208) 567-1872

Name of Forum	TD-SCDMA(Time-Division Synchronous CDMA) Forum		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	2000.12
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - 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. - Held on Seminar of **TD-SCDMA International Summit**
2007 Results	o Progressing and/or completed Technology Standards(specifications) - 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 associate 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	o Annual membership fee: Common Members: no fee, Senior Members: enterprises: 50,000RMB, institutions: 20,000RMB o total number of members: 420 o Names of main members and their countries - China Mobile, China Telecom, China Unicom, Motorola, Nortel, Siemens
Cooperative Relationships	o GSMA ,CDG, 3GPP
IPR policy	o unavailable
Contact Point	o Office location(city/country) - Room 1501,Office Tower B,Horizon International Tower, No.6 Zhichun RoadHaidian District,Beijing,PRC o URL and telephone number - URL: http://www.tdscdma-forum.org, TEL: +86-10-82800365/6/7/8

Name of Forum	TV-Anytime Forum		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1999. 7
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure			
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - 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: develop standards to enable the secure and flexible expression and enforcement of rights holders' usage conditions for media distributed to personal digital recorders		
2007 Results	o Progressing and/or completed Technology Standards(specifications) - TVA-Phase 2		
Membership and Fees	o Annual membership fee: $3,000 USD o total number of members: 47 o Names of main members and their countries - ABC, BBC, BT, NDS, Philips, NHK, NTT, Sony, Microsoft		
Cooperative Relationships	o		
IPR policy	o		
Contact Point	o Office location(city/country) - Administrator PO Box 402 Epsom,KT17 3XT UK o URL and telephone number - URL: http://www.tv-anytime.org, TEL: +44 1737 358 799		
Name of Forum	UMTS Forum(Universal Mobile Telecommunications System)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1996.12
Object field	o Convergence Infrastructure relating to Mobile Communication		

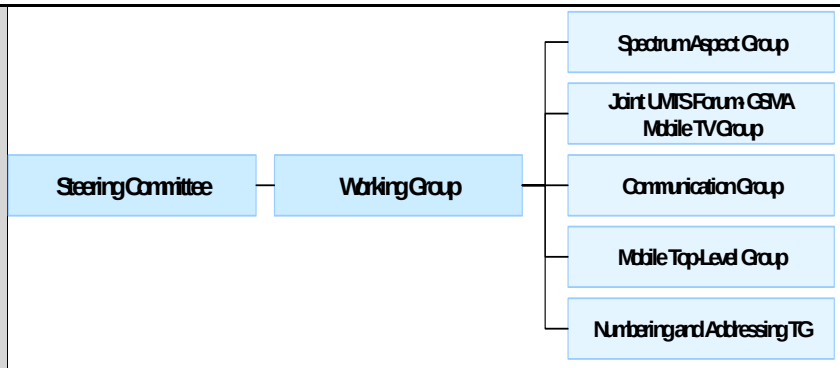
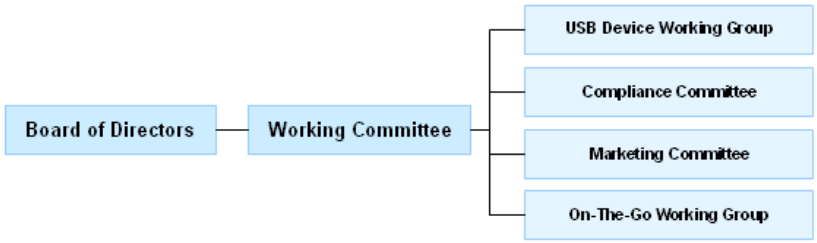
<table>
<tr><td>Organizational Structure</td><td colspan="3"> 

그림: http://www.umts-forum.org/component/option,com_docman/task,cat_view/gid,53/Itemid,156/ 참조</td></tr>
<tr><td>Core Activities</td><td colspan="3">o Mission: promoting the global uptake of UMTS third generation (3G) mobile systems and services.
- 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

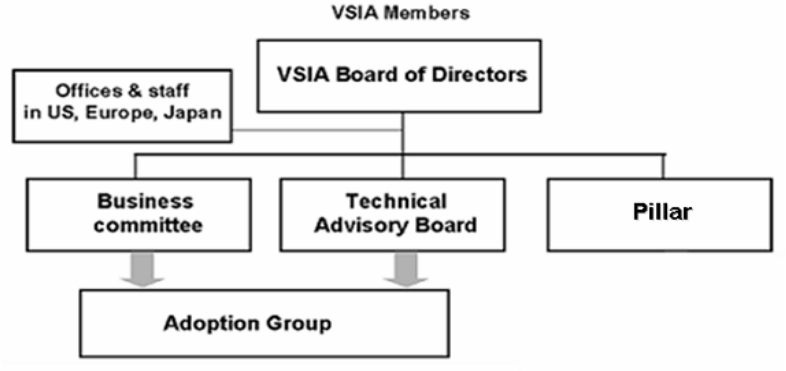
o Work Group Characteristics and Deliverables
- Spectrum Aspect Group
- Joint UMTS-GSMA Mobile IPTV Group
- Communication Group
- Mobile Top-level Domain Group
- Numbering & Address Task Group</td></tr>
<tr><td>2007 Results</td><td colspan="3">o Progressing and/or completed Technology Standards(specifications)
- N/A</td></tr>
<tr><td>Membership and Fees</td><td colspan="3">o Annual membership fee: Full Member(Euro 11,400), Associate Member(Euro 3,000)
o total number of members: 50
o Names of main members and their countries
- Alcatel, Ericsson, Nokia, Nortel</td></tr>
<tr><td>Cooperative Relationships</td><td colspan="3">o 3GPP, GSM Association , GSA, ITU AND ETSI</td></tr>
<tr><td>IPR policy</td><td colspan="3">o Available(FRAND)</td></tr>
<tr><td>Contact Point</td><td colspan="3">o Office location(city/country)
- UMTS Forum, Russell Square House, 10 -12 Russell Square, London, WC1B 5EE, United Kingdom
o URL and telephone number
- URL: www.umts-forum.org, TEL: +44 (0) 20 7331 2020</td></tr>
<tr><td>Name of Forum</td><td colspan="3">UPnP(Universal Plug and Play Forum)</td></tr>
<tr><td>Active Purpose</td><td>development of specifications in order to implement and ensure the interoperability</td><td>Established Date(mm/yyyy)</td><td>1999.10</td></tr>
<tr><td>Object field</td><td colspan="3">o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc</td></tr>
</table>

Organizational Structure	 그림 : http://www.upnp-ic.org/about/default.asp 참조
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - AV WG - Home Automation WG - Gateway WG - QoS WG - Storage WG - Remote Access WG - Low Power WG
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Device Control Protocol, UPnP QoS Device 2 - Device Architecture Version 1.1
Membership and Fees	o Annual membership fee: FREE o total number of members: 828 o Names of main members and their countries - 3COM Corporation, Alcatel Telecom, Cisco Systems, Compaq Computer Corporation, Fujitsu Limited, Hewlett-Packard Company
Cooperative Relationships	o ITU-T A.4, A.5
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - 3855 SW 153rd DriveBeaverton, OR 97006 USA o URL and telephone number - URL: http://www.upnp.org/, TEL: +1 954 782 6365

Name of Forum	USB Implementers Forum		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1995
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	 그림 : http://www.usb.org/about 참조
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - USB 2.0 CWUSB(Certified Wireless USB), High Speed USB
Membership and Fees	o Annual membership fee: $ 4,000 USD o total number of members: 748 o Names of main members and their countries - Intel Corporation, NXP Semiconductors, Agere Systems, Hewlett-Packard, Microsoft Corporation
Cooperative Relationships	o Wimedia Alliance, 1394 TA, IEEE802
IPR policy	o Available
Contact Point	o Office location(city/country) - 3855 SW 153rd Drive Beaverton, OR 97006 o URL and telephone number - URL: http://www.usb.org/, TEL: 503-619-0426

Name of Forum	VSI (Virtual Socket Interface) Alliance		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1996.9
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - Develop the specification, standards focused on semiconductor IP integration o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: General Membeship($5,000~ 20,000 USD) o total number of members: 26 o Names of main members and their countries - Intel, Cadence, Freescale, LSI Logic, Mentor
Cooperative Relationships	o
IPR policy	o Available
Contact Point	o Office location(city/country) - VSI Alliance Main Office, 401 Edgewater Place, Suite 600, Wakefield, MA 01880 o URL and telephone number - URL: www.vsia.org, TEL: +1 (781) 876-8822

Name of Forum	Voice XML Forum(eXtensible Makeup Language)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1999.3
Object field	o Information Technology relating mainly to u-Infra SW		

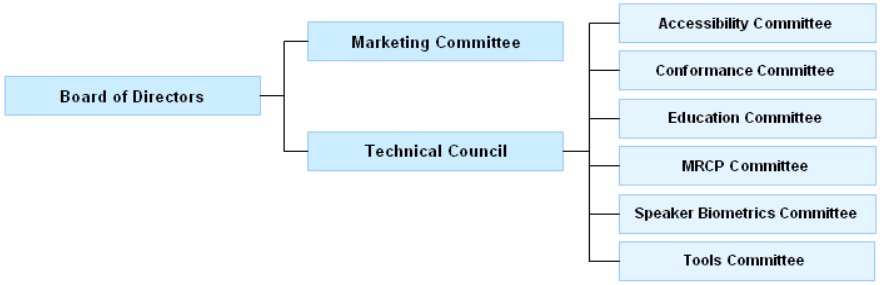
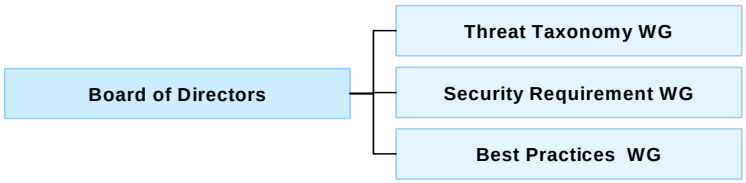
<table>
<tr><td>Organizational Structure</td><td> 

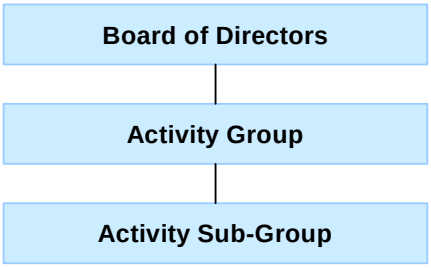
그림 : http://www.voicexml.org/committees.htm 참조</td></tr>
<tr><td>Core Activities</td><td>o Mission: promote the Voice Extensible Markup Language (VoiceXML)
- To promote VoiceXML
- To educate the community about VoiceXML technology and resources
- To establish and promote a VoiceXML conformance program 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

o Work Group Characteristics and Deliverables
- Marketing Committee: to market and promote the adoption 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 VoceXML to ensure interoperability of platforms, tools, and applications</td></tr>
<tr><td>2007 Results</td><td>o Progressing and/or completed Technology Standards(specifications)</td></tr>
<tr><td>Membership And Fees</td><td>o Annual membership fee: Promoters Member($5,000 USD), Supporter Member($ 500 USD)
o total number of members: 99
o Names of main members and their countries
- Motorola, Genesys Lab, AT&T, IBM, Lucent</td></tr>
<tr><td>Cooperative Relationships</td><td>o IETF, W3C, ECMA, SIP Forum</td></tr>
<tr><td>IPR policy</td><td>o Available(Royalty Free)</td></tr>
<tr><td>Contact Point</td><td>o Office location(city/country)
- VoiceXML Forum Headquarters: c/o IEEE-ISTO 445 Hoes Lane Piscataway, NJ 08854 USA

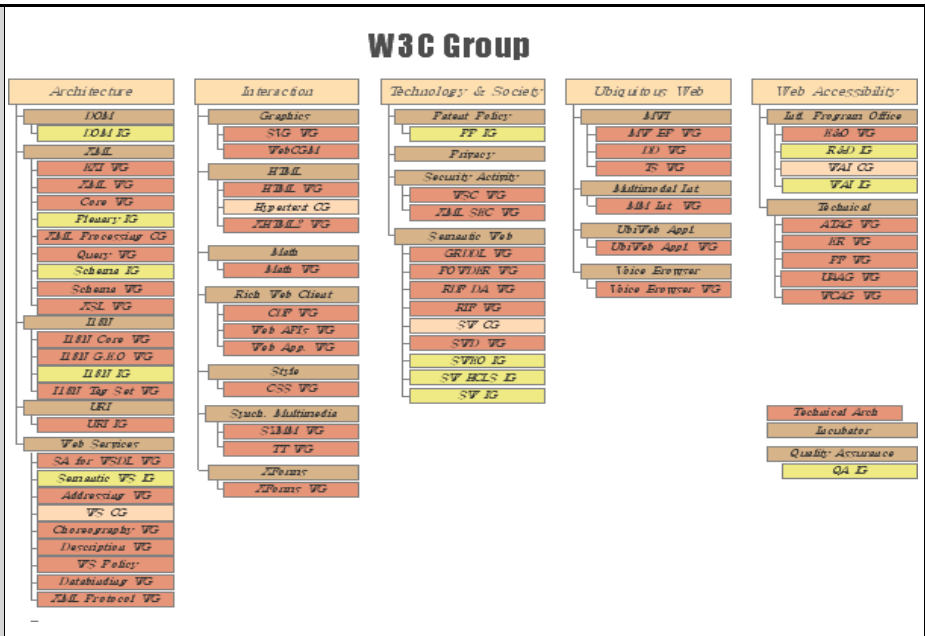
o URL and telephone number
- URL: http://www.voicexml.org, TEL: + 1 732 465 6464</td></tr>
<tr><td>Name of Forum</td><td colspan="3">VoIPSA(Voice over IP Security Alliance)</td></tr>
<tr><td>Active Purpose</td><td>others</td><td>Established Date(mm/yyyy)</td><td>2005</td></tr>
<tr><td>Object field</td><td colspan="3">o Convergence Infrastructure relating mainly to Broad Convergence Network</td></tr>
</table>

Organizational Structure	 그림 : http://www.voipsa.org/Activities/index.php 참조
Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables - Security Requirements Committee - Security Research Committee - Testing Committee
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Threat Taxonomy is meant to help define the many potential security threats to VoIP deployments, services, and end users
Membership and Fees	o Annual membership fee: Free o total number of members: 100 o Names of main members and their countries - 3Com, NTT, Notel, Juniper Networks
Cooperative Relationships	o
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - o URL and telephone number - URL: http://www.voipsa.org, TEL:

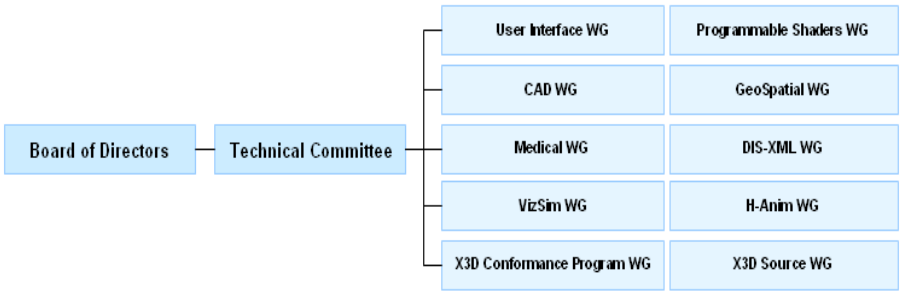
Name of Forum	VSF(Video Service Forum)		
Active Purpose	others	Established Date(mm/yyyy)	1997
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission: Dedicated to interoperability, quality metrics and education for video networking technologies - 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 o Work Group Characteristics and Deliverables - 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 3Gbs
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: o total number of members: 50 o Names of main members and their countries - AT&T, BT, Verizon, SPIRENT
Cooperative Relationships	o
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - 467 Hampton Lane Somerdale, NJ 08083 o URL and telephone number - URL: http://www.videoservicesforum.org/, TEL: (856) 627-6672

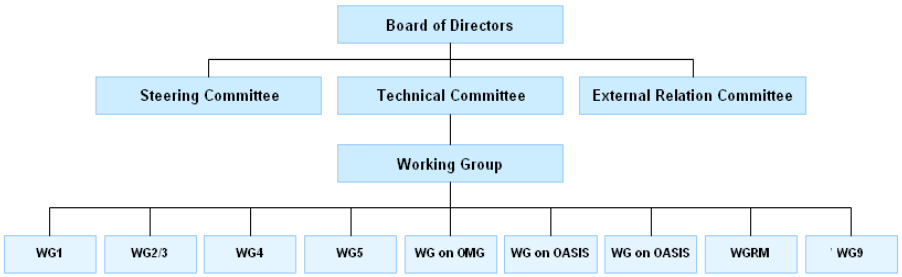
Name of Forum	W3C (World Wide Web Consortium)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1994.10
Object field	o Information Technology relating mainly to u-Infra SW		

Organizational Structure	
Core Activities	o Mission: To lead the World Wide Web to its full potential by developing protocols and guidelines that ensure long-term growth for the Web - 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 o Work Group Characteristics and Deliverables - Architecture Domain - Interaction Domain - ubiquitous Domain
2007 Results	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: Euro ~65,000 o total number of members: 441 o Names of main members and their countries - MS, HP, Adobe, AT&T, Google, IBM
Cooperative Relationships	o Voice XML Forum, OMA, OASIS
IPR policy	o Available
Contact Point	o Office location(city/country) - MIT, ERCIM, Keio University o URL and telephone number - URL: http://www.w3.org , TEL:

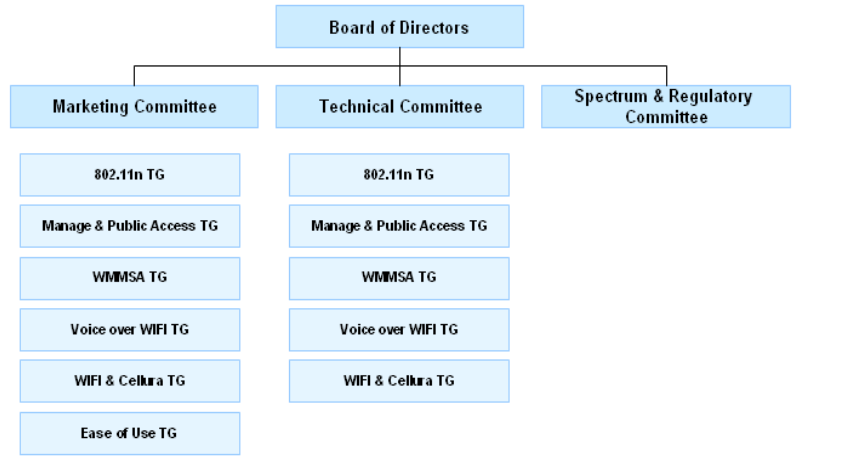
Name of Forum	WEB 3D Consortium		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1996
Object field	o Information Technology relating mainly to u-Infra SW		

Organizational Structure	 그림 :http://www.web3d.org/x3d/workgroups/ 참조
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - 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	o Progressing and/or completed Technology Standards(specifications) - X3D
Membership and Fees	o Annual membership fee: Organization/Directing Level($1,500~ 95,000USD) Professional/ Student Level($25~ 100 USD) o total number of members: 26 o Names of main members and their countries - NIST, Sun Microsystems, Bitmanagement, L-3 Communications
Cooperative Relationships	o JTC1 SC24, W3C, OGC, Khronos Group
IPR policy	o Available(Royalty Free)
Contact Point	o Office location(city/country) - Web3D Consortium 225 Bush Street, 16th Floor, PMB # 8900 San Francisco, CA 94104 USA o URL and telephone number - URL: http://www.web3d.org, TEL:

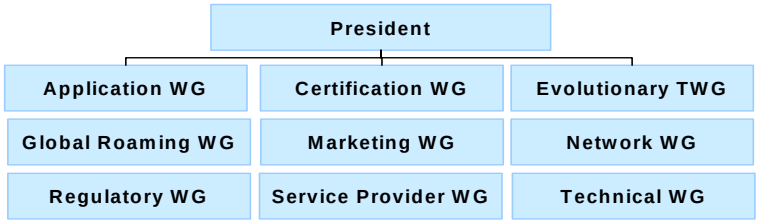
Name of Forum	WfMC(Workflow Management Coalition)		
Active Purpose	others	Established Date(mm/yyyy)	1993
Object field	o Convergence services relating mainly to Electronic Commerce		

Organizational Structure	
Core Activities	o Mission - 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 the business value of process management o Work Group Characteristics and Deliverables - WG1 Process Definition Interchange Model & APIs (XPDL Committee) - WG2/3 Client/Application APIs - WG4 Workflow Interoperability - WG5 Administration & Monitoring
2007 Results	o Progressing and/or completed Technology Standards(specifications) - XPDL(XML Process Definition Language) - BPRL(Business Process Run-time Interface)
Membership and Fees	o Annual membership fee: Full Member($3,500 USD), Associate Member($1,500 USD), Individual Member($500 USD) o total number of members: 248 o Names of main members and their countries - Adobe, IBM, Fujitsu SW, Lucent Technology
Cooperative Relationships	o OMG, OASIS, BPMI
IPR policy	o N/A
Contact Point	o Office location(city/country) - Future Strategies Inc (WfMC Services) 2436 N. Federal Highway #374 Lighthouse Point FL 33064 USA o URL and telephone number - URL: http://www.wfmc.org, TEL: +1 954 782 3376

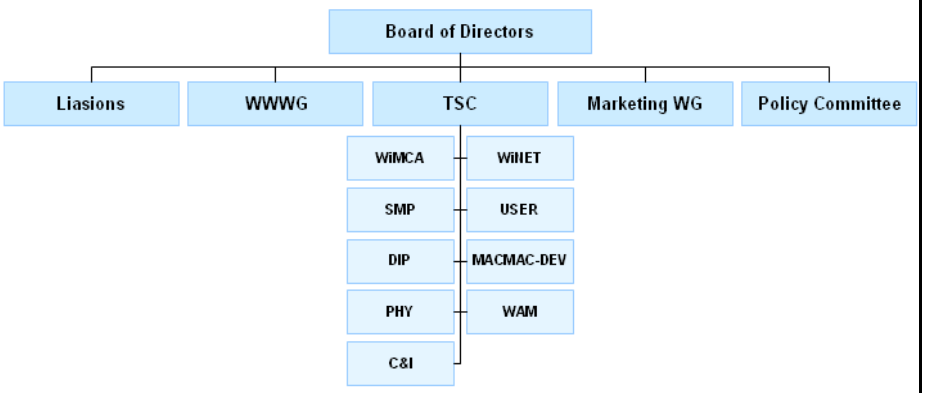
Name of Forum	WIFI Alliance(Wireless Internet Fidelity)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	1999.10
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	 그림 : http://www.wi-fi.org/files/uploaded_files/kc_16_WFA%20Member%20Committees%20and%20Task%20Groups%2001-18-06.pdf 참조
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Marketing Committee - Technical Committee - Spectrum & Regulation Committee
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: Regular Member($15,000 USD), o total number of members: 300 o Names of main members and their countries - CISCO Systems, Broadcom Corporation, Dell, Intel, Microsoft, Motorola, Nokia, Philips, Sony Corporation, Texas Instruments
Cooperative Relationships	o IEEE802.11
IPR policy	o -
Contact Point	o Office location(city/country) - Wi-Fi Alliance Headquaters 3925 West Braker Lane, Austin, TX 78759 o URL and telephone number - URL: http://www.wi-fi.org, TEL: +1 (512) 305-0790

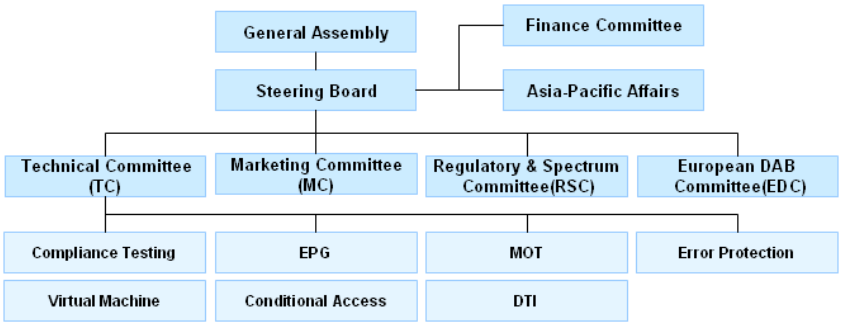
Name of Forum	WiMAX(Worldwide Interoperability for Microwave Access) Forum		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2001.6
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	 그림 : http://www.wimaxforum.org/about/WorkingGroups/ 참조
Core Activities	o Mission - To certify and promote the compatibility and interoperability of broadband wireless products based upon the harmonized IEEE 802.16/ETSI HiperMAN standard o Work Group Characteristics and Deliverables - Application Working Group (AWG): Define 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	o Progressing and/or completed Technology Standards(specifications) - WIMAX Forum Mobile System Profile Release 1.0 Revision 1.4
Membership and Fees	o Annual membership fee: Principal Member($25,000 ~ 40,000 USD), Regular Member($5,000~ 15,000 USD) o total number of members: 471 o Names of main members and their countries - Intel Corporation, Alvarion, AT&T, British Telecom, Motorola
Cooperative Relationships	o IEEE802.16, ETSI
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - WiMAX Forum 15455 NW Greenbrier Pkwy Suite 210 Beaverton, OR 97006 o URL and telephone number - URL: http://www.wimaxforum.org, TEL: +1 503.924.2922

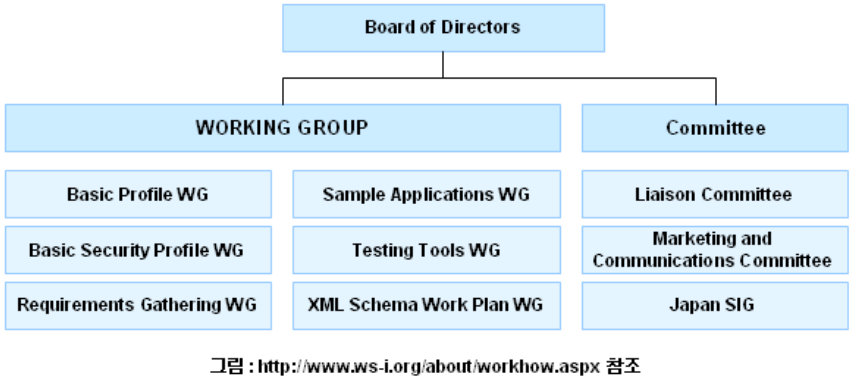
Name of Forum	WiMedia Alliance		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2002.9
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o 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 , A protocol adaptation layer for the Internet Protocol , IP-based application profiles etc
2007 Results	o Progressing and/or completed Technology Standards(specifications) - High rate Ultra Wideband PHY and MAC standard Version 1.2
Membership and Fees	o Annual membership fee: Contributor Member($20,000 USD), Adaptor Member($2,000 USD) o total number of members: 328(Promoters: 12, Contributors: 53, Adapters: 56, Supporters: 207 o Names of main members and their countries - HP, Intel Corporations, Sony
Cooperative Relationships	o 1394TA, DLNA, USB-IF, IEEE802.15.3
IPR policy	o N/A
Contact Point	o URL and telephone number - URL: http://www.wimedia.org, TEL: 1.925.275.6604

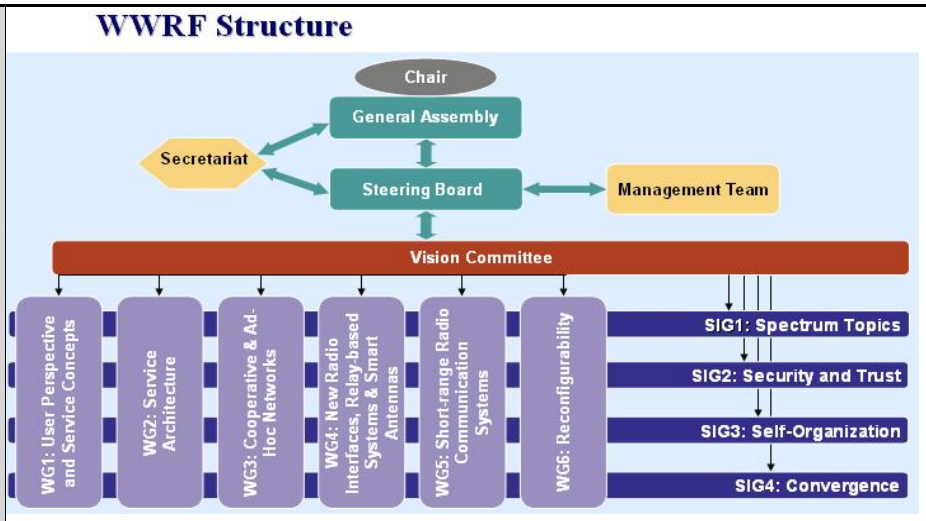
Name of Forum	World DMB Forum		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	1999
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure	
Core Activities	o Mission: - Promote the awareness, adoption and implementation DAB and DMB Base on Eureka147 o Work Group Characteristics and Deliverables - Technical Committee: oversees the standardisation 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 DAB/DAB+/DMB services internationally - Marketing Committee: to promote Eureka 147 market development and encourage a marketing culture among members
2007 Results	o Progressing and/or completed Technology Standards(specifications) - DAB, DAB+
Membership and Fees	o Annual membership fee: CHF 10,000 o total number of members: 123 o Names of main members and their countries - BBC, TDF ,Factum, Radioscape, Frontier Sillicon, Analog Device
Cooperative Relationships	o -
IPR policy	o Available(RAND)
Contact Point	o Office location(city/country) - WorldDAB Forum Project Office 5th Floor 7 Swallow Place, London W1B 2AG United Kingdom o URL and telephone number - URL: http://www.worlddab.org, TEL: +44-20-7288-4640 ~ 4645

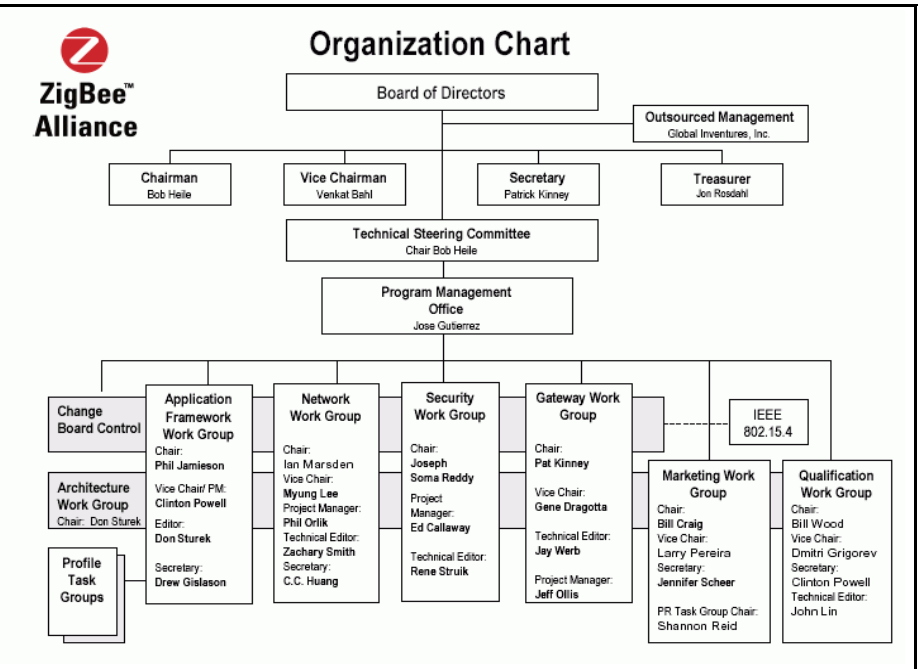
Name of Forum	WS-I (Web Service- Interoperability)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2003
Object field	o Information Technology relating mainly to u-Infra SW		

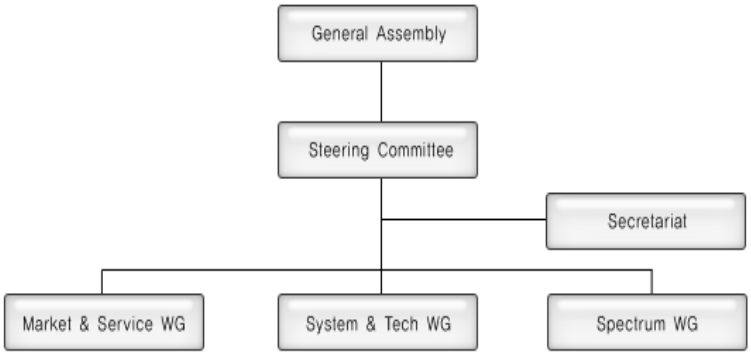
Organizational Structure	 그림 : http://www.ws-i.org/about/workhow.aspx 참조
Core Activities	o Mission - To establish Best Practices for Web services interoperability, for selected groups of Web services standards, across platforms, operating systems and programming languages o Work Group Characteristics and Deliverables - Sample Applications Working Group: - Basic Security Profile Working Group - Basic Profile Working Group
2007 Results	o Progressing and/or completed Technology Standards(specifications) - Web Service Basic Profile 1.1 - Web Service Basic Profile 1.2
Membership and Fees	o Annual membership fee: Contributor Member($3,000USD), Associate Member(Free) o total number of members: 177(Contributing:82, Associate: 95) o Names of main members and their countries - BT, Ford Motor Company, Hewlett-Packard, France Telecom
Cooperative Relationships	o
IPR policy	o Available(FRAND)
Contact Point	o Office location(city/country) - Web Services Interoperability Organization 401 Edgewater Place, Suite 600 Wakefield, MA 01880 USA o URL and telephone number - URL: http:// www.ws-i.org, TEL: +1 (781) 876-6228

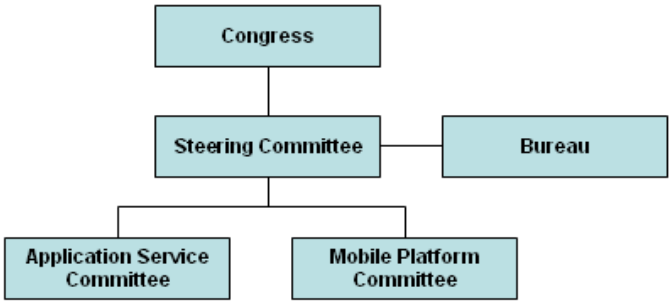
Name of Forum	WWRF(Wireless World Research Forum)		
Active Purpose	others	Established Date(mm/yyyy)	2001. 8. 14
Object field	o Convergence Infrastructure relating to Mobile Communication		

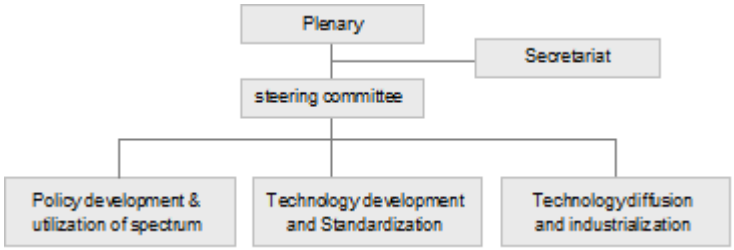
Organizational Structure	
Core Activities	o Mission - To formulate Visions on strategic future research directions in the Wireless field - To promote research areas and technical trends for mobile and wireless system technologies o Work Group Characteristics and Deliverables - WG1: User Perspective and Service Concepts - WG2: Service Architecture - WG3: Cooperative & Ad-hoc Network - WG4: New Radio Interface, Relay-base Antennas - WG5: Short Range Radio Communication Systems - WG6: Re-configurability
2007 Results	o Progressing and/or completed Technology Standards(specifications) - N/A
Membership and Fees	o Annual membership fee: Sponsor Member(EURO 10,000), Associate Member(EURO 1,000) o total number of members: 173 o Names of main members and their countries - Alcatel, Ericsson, Motorola, Nokia, Siemens
Cooperative Relationships	o ITU, 3GPP, 3GPPS, UMTS Forum, ETSI mobile IT Forum(JAPAN), Future Forum(China), NGMC Forum(KOREA)
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - Alcatel-CIT Centre de Villarceaux Route de Villejuste 91 620, NOZAY, France o URL and telephone number - URL: http://www.wireless-world-research.org, TEL: +33-1-30-77-27-37

Name of Forum	**ZigBee Alliance**		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2002
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o 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	o Progressing and/or completed Technology Standards(specifications) -
Membership and Fees	o Annual membership fee: Promoter Member($40,000 USD), Participant Member($9,500 USD), Adaptor Member($3,500 USD) o total number of members: 225 o Names of main members and their countries -
Cooperative Relationships	o Wimedia Alliance, IEEE802.15.3
IPR policy	o Available(RAND)

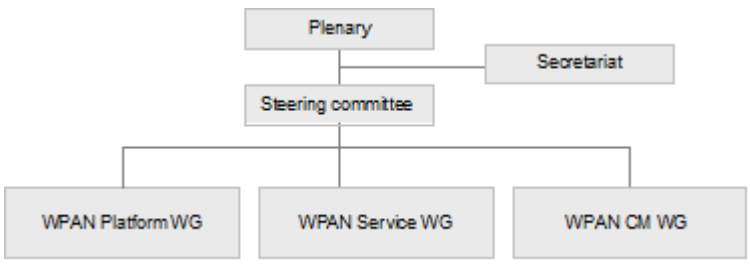
Name of Forum	NGMC Forum(Next Generation Mobile Communication)		
Active Purpose	others	Established Date(mm/yyyy)	9/2003
Object field	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			
Core Activities	o Mission - Analyze the trends of technological evolutions and 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 o Work Group Characteristics and Deliverables - Market & Service WG: Trend analysis for mobile communication markets and services - System & Technical WG: Define and assess NG mobile/wireless communication systems and technologies. - Spectrum WG: Review spectrum calculation methodology corresponding to ITU-R WP8F activities		
2007 Results (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: 20 o Names of main members and their countries - 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	o Co-operations with WWRF, mITF and FuTURE Forum		
IPR policy	o Unavailable		
Contact Point	o Office location(city/country) - NGMC Forum, 1599-11, Seocho3-dong, Seocho-gu, Seoul, Korea o URL and telephone number - URL: www.ngmcforum.org		
Name of Forum	Korea Wireless Internet Standardization Forum		

Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	5/2001
Object field	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			
Core Activities	o Mission - Gather, analyze 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. o Work Group Characteristics and Deliverables - Application Service Committee: Standardization of Multimedia Service, streaming Service, etc - Mobile Platform Committee: Develop and upgrade Wireless Internet Platform		
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Develop more than 10 forum Standards (example: WIPI v.3.0) - Number of Meetings, Conferences & workshops held: 60		
Membership and Fees (Note 5)	o Annual membership fee: - Business Member: USD 1000 - Technical Plenary Member: USD 5000 o Total number of members: ? o Names of main members and their countries - SKT, KTF, LGT, SAMSUNG ELECTRONICS, LG ELECTRONICS, ETRI, AROMASOFT, WISEGRAM, GEOTEL, GAEASOFT, INNOACE, M-PAGE, VELOXSOFT, XCE etc(Korea)		
Cooperative Relationships	o Liaison of OMTP(April/2007)		
IPR policy	o available		
Contact Point	o Office location(city/country) - 908ho 2cha LG-twintel 157-3 Samsung-dong Gangnam-gu Seoul Korea(South) o URL and telephone number - URL: www.wipi.or.kr/		
Name of Forum	Spectrum Engineering Forum		
Active Purpose	others	Established Date(mm/yyyy)	6/2005
Object field	o Convergence Infrastructure relating to Mobile Communication		

Organizational Structure	
Core Activities	o Mission - Research on spectrum utilization technology, policy and industrialization. o Work Group Characteristics and Deliverables - 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Proposed over 10 forum specification at IEEE802.22 - Number of Meetings, Conferences & workshops held: 21
Membership and Fees (Note 5)	o Annual membership fee: - 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 o Total number of members: 20 o Names of main members and their countries - Samsung electronics, LG telecom, LG-Nortel, Samsung electro-mechanics, SK telecom, KTF, KT, Motorola Korea, Intel Korea, ETRI, Inha University etc(Korea)
Cooperative Relationships	o None
IPR policy	o available
Contact Point	o Office location(city/country) - 160-4, Donggyo-Dong, Mapo-Gu, Seoul, 121-733, Korea o URL and telephone number - URL: http://www.spectrum.or.kr

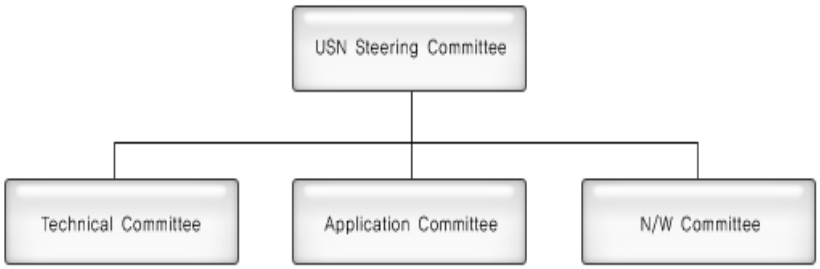
Name of Forum	Korea UWB Standardization Forum		
Active Purpose	dvelopment of de-facto standards	Established Date(mm/yyyy)	4/2003
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	- 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	o Mission: - Provide guidance for domestic standardization of UWB technology - Revitalization of domestic UWB industry through revising domestic law system such as related regulation improvements - Early settlement of UWB in domestic market by developing and supplying various UWB application models o Work Group Characteristics and Deliverables - UWB spectrum policy and Interface - UWB technical development and Standardization
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Ultra Wide Broadband Technology contributions at IEEE802.15. - Number of Meetings, Conferences & workshops held: 21
Membership and Fees (Note 5)	o Annual membership fee: Free o Total number of members: 20 o Names of main members and their countries - ETRI, SKT, Samsung Electro Mechanics, Intel Korea, etc.
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - RAPA 160-4, Donggyo-dong, Mapo-gu, Seoul, Korea, 121-733 o URL and telephone number - URL: www.uwbforum.or.kr

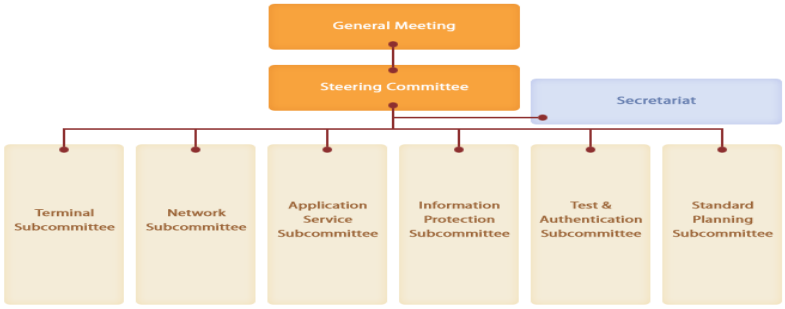
Name of Forum	WPAN Standardization Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	10/2007
Object field	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			

Core Activities	o Mission - Expansion of R&D that is focused on Wireless PAN in OSI 7 Layers - WPAN Platform development - Regulation improvement for WPAN industry - Research and analyze the latency information of WPAN and support new Government policy o Work Group Characteristics and Deliverables - WPAN Service SG - WPAN CM(Connectivity Management) SG - WPAN Platform SG
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: Free o Total number of members: 40 o Names of main members and their countries - SK telecom, KTF, KT, LGT etc(Korea)
Cooperative Relationships	o None
IPR policy	o available
Contact Point	o Office location(city/country) - RAPA 160-4, Donggyo-Dong, Mapo-Gu, Seoul, 121-733, Korea o URL and telephone number - URL: http://www.w-pan.org

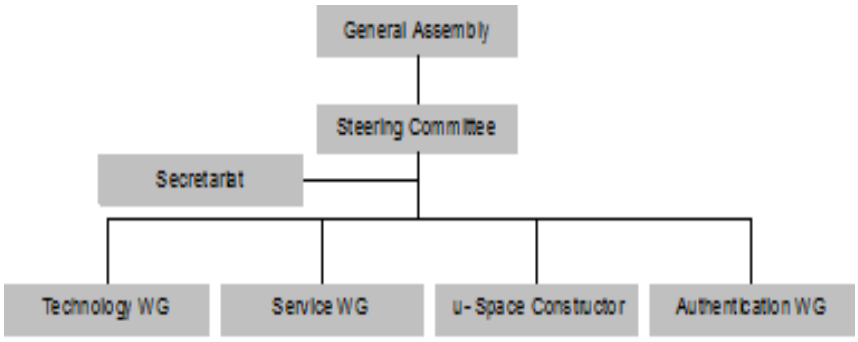
Name of Forum	USN Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	4/2004
Object field	o Convergence services relating mainly to RFID/USN		

Organizational Structure	
Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables - Technical Committee - Application Committee
2007 Results (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: 78 o Names of main members and their countries - NIA, NIDA, ETRI, KISA, SK C&C etc(Korea)
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - KARUS 141-28 dong san building Samsung dong kangnam-gu seoul, korea o URL and telephone number - URL: http://www.usnforum.or.kr

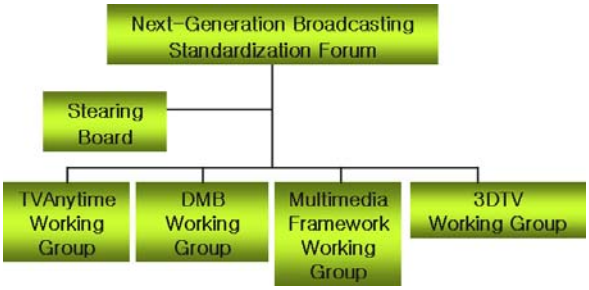
Name of Forum	Mobile RFID Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	2/2005
Object field	o Convergence services relating mainly to RFID/USN		

Organizational Structure	
Core Activities	o Mission - 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 JTC1/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 o Work Group Characteristics and Deliverables - 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 (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: 49 o Names of main members and their countries - NIA, NIDA, ETRI, KISA, SK C&C etc(Korea)
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - KARUS 141-28 dong san building Samsung dong kangnam-gu seoul, korea o URL and telephone number - URL: http://www.forum.rfid-sun.or.kr

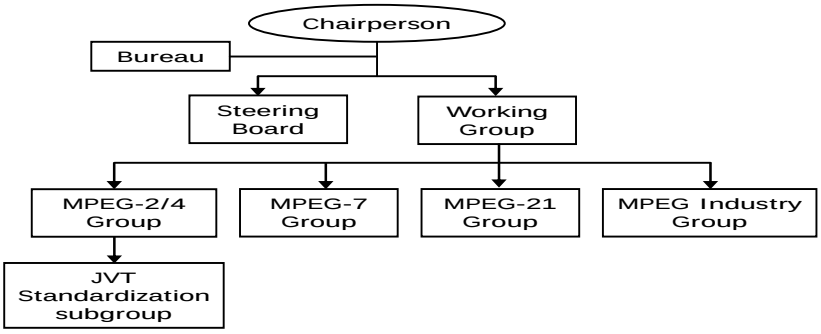
Name of Forum	u-city standardization Forum		
Active Purpose	development of specifications in order to implement and ensure interoperability	Established Date(mm/yyyy)	5/2005
Object field	o Convergence services relating mainly to RFID/USN		

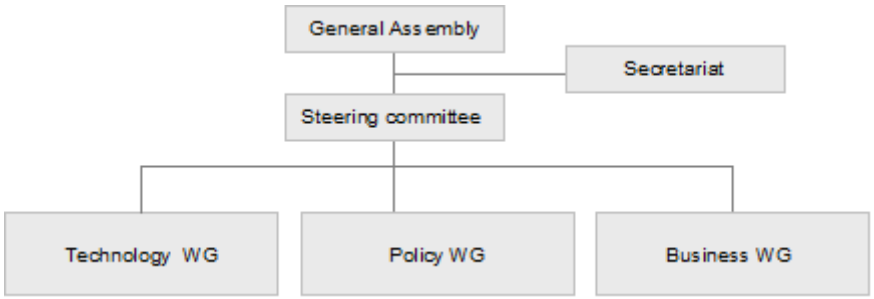
Organizational Structure	
Core Activities	o Mission - To develop the domestic standard models to solve development thoughtless of u-city and support of International standardization for techniques and service o Work Group Characteristics and Deliverables - Technical WG: Standardization of Information 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: Free o Total number of members: 94 o Names of main members and their countries - NIA, NIDA, ETRI, KISA, SK C&C etc(Korea)
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - NIA 77 NIA building mugyo dong Jong gu seoul, korea o URL and telephone number - URL: http://www. ubicity.org/

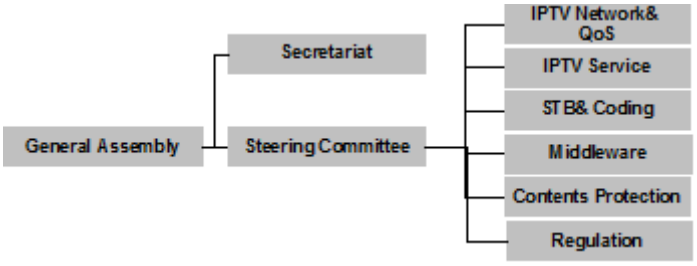
Name of Forum	Next Generation Broadcasting Standardization Forum		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	5/2000
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

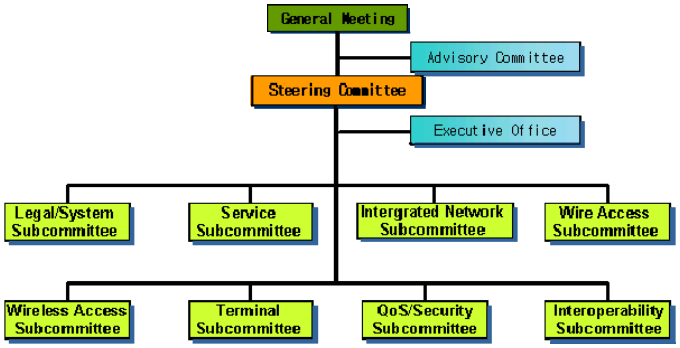
Organizational Structure	
Core Activities	o Mission - Collaboration in R&D and standardization of new media broadcasting - Collaboration in domestic standardization of data broadcasting and etc. - Collaboration in R&D and standardization of terrestrial and satellite digital multimedia broadcasting (T- and S-DMB), TVAnytime, 3DTV - Promotion and dissemination of related technology through workshops o Work Group Characteristics and Deliverables - 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: Free o Total number of members: 48 o Names of main members and their countries - KBS, MBC, SBS, Samsung electronics, LG electronics, ETRI(Korea)
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - 653-4 Yuk-sam dong Kangnam-Gu, Seoul Korea o URL and telephone number - URL: http:// www.nextb.or.kr

Name of Forum	MPEG Forum		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	7/2000
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

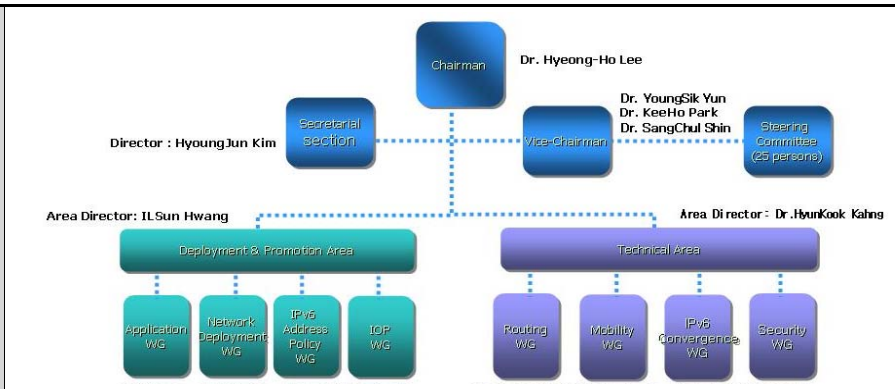
Organizational Structure			
Core Activities	o Mission - Understanding and Analyzing MPEG-related technologies - MPEG-related seminars, workshops, exhibitions - Research and Development of MPEG-related domestic de-facto standards - Participate in MPEG standardization meetings and related meetings o Work Group Characteristics and Deliverables - MPEG 2/4 WG: Correspond to JTC1 SC29 WG11 MPEG 2/4 - MPEG 7 WG: Correspond to JTC1 SC29 WG11 MPEG 7 - MPEG 21 WG Correspond to JTC1 SC29 WG11 MPEG 21 - MEPG Industry WG: Correspond to JTC1 SC29 WG11 MPEG A, B, E		
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Develop domestic Technical specifications for audio/video coding technology, etc - Propose Drafts at JTC1 SC29 WG11 - Number of Meetings, Conferences & workshops held: 7		
Membership and Fees (Note 5)	o Annual membership fee: - Companies, Academia, Research Organizations, Individuals . Organizations with over 300 employees – 3,000,000 KRW per year . Organizations with 100 ~200 employees – 2,000,000 KRW per year . Organizations with less than 100 employees – 1,000,000 KRW per year . Individual Members – 200,000 KRW per year . Student Members – 50,000 KRW per year o Total number of members: 19 o Names of main members and their countries - ETRI, ICU, OSIA(Korea)		
Cooperative Relationships	o None		
IPR policy	o unavailable		
Contact Point	o Office location(city/country) - OSIA 956-5 Hanlim building Dachi dong Kangnam-Gu, Seoul Korea o URL and telephone number - URL: http:// www.mpeg.or.kr		
Name of Forum	Korea Digital cable Forum		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	8/2002
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

Organizational Structure			
Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables -Technology WG: Research and standardization of digital cable technologies (Open cable, VoD DATA ETC)		
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Propose lots of Drafts at ATSC, Cablelabs etc - Number of Meetings, Conferences & workshops held: 12		
Membership and Fees (Note 5)	o Annual membership fee: - Industrial Membership: 1,000,000 KRW per year - Individual Membership: 200,000 KRW per year o Total number of members: 19 o Names of main members and their countries - ETRI, KLABs, Daewoo Electronics, Samsung Electronics(Korea)		
Cooperative Relationships	o None		
IPR policy	o available		
Contact Point	o Office location(city/country) - DMS Bldg, 8th, Digital Media City C-3 Sangam-dong, Mapo-Gu, Seoul 121-270, Korea o URL and telephone number - URL: http:// www.kdcf.or.kr		
Name of Forum	IPTV Forum Korea		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	6/2006
Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting		

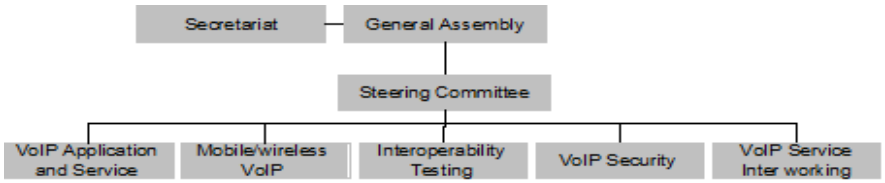
Organizational Structure			
Core Activities	o Mission - To vitalize IPTV industries in Korea, and to provide visions for IPTV related business. - Promote academic and research activities by exchanging information among members of IPTV Forum. - To research and develop IPTV Technologies o Work Group Characteristics and Deliverables - PTV 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 (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: 7 o Names of main members and their countries - HUMAX, Samsung Electronics, OSIA(Korea)		
Cooperative Relationships	o None		
IPR policy	o available		
Contact Point	o Office location(city/country) - OSIA 956-5 Hanlim building Dachi dong Kangnam-Gu, Seoul Korea o URL and telephone number - URL: http:// www.iptvforum.or.kr		
Name of Forum	BcN Forum(Broadband convergence Network)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	5/2003
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - 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 o Work Group Characteristics and Deliverables - Network WG: developing standard BcN model - Service WG: Research and standardization of BcN service
2007 Results (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: 185 o Names of main members and their countries - ETRI, NCA, KT, SK Telecom, Dacom, Hanaro Telecom, Samsung Electronics, and LG Electronics (Korea)
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - KRNA 429-1 New T Building Kasan dong Kumchun-Gu, Seoul Korea o URL and telephone number - URL: http:// www.bcnforum.or.kr

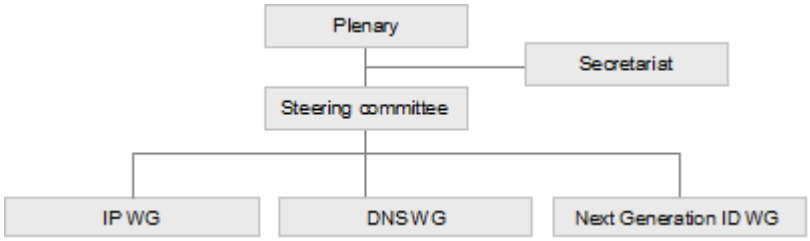
Name of Forum	IPv6 Forum Korea		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	3/2000
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

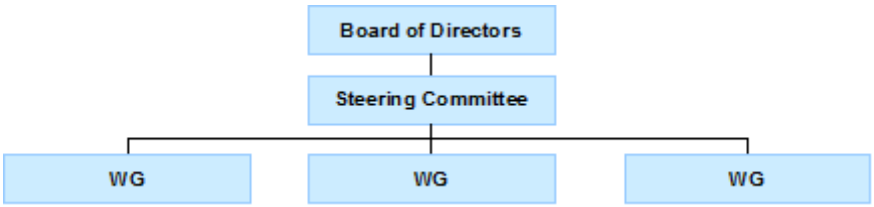
Organizational Structure	
Core Activities	o Mission - To allow access to knowledge and technology for the early adoption of IPv6 in domestic environment - To verify the adoption of IPv6 and its time - To improve IPv6-related market - To set environment for the transition from IPv4-based Internet to IPv6-based Next Generation Internet o Work Group Characteristics and Deliverables - 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 (Note 4)	o 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 (Note 5)	o Annual membership fee: - Industry: 3,000,000 KRW for companies with annual revenue of more than 10Bil KRW, 1,000,000 KRW for companies with annual revenue of less than 10Bil KRW. - Academia: 500,000 KRW. - Individual member: 200,000 KRW o Total number of members: 185 o Names of main members and their countries - ETRI(Korea), KT(Korea), Samsung(Korea), SKT(Korea), Cisco Korea(Korea), LG-Nortel(Korea)
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - OSIA 956-5 Hanlim building Dachi dong Kangnam-Gu, Seoul Korea o URL and telephone number - URL: http:// www.ipv6.or.kr/eng/

Name of Forum	VoIP Forum(Voice over IP)		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	4/2000
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

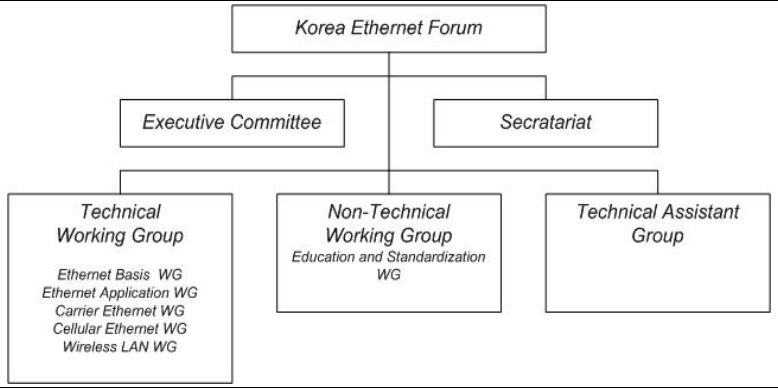
Organizational Structure	
Core Activities	o Mission - Development of domestic standards for VoIP - Interoperability test for providing interoperability between VoIP systems - Consultation and recommendation on government policy and strategy for VoIP service provisioning and industry stimulation in Korea - Establishing domestic industry alliance, corresponding international standardization activities o Work Group Characteristics and Deliverables - 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: - Organization Member: eligible to use specs in draft stages and make comments. (annual dues: $ 500) - Regular Member: eligible to use specs in draft stages and make comments. (no annual dues required) - Association Members: eligible to use specs in draft stages and make comments. (annual dues: $ 200) o Total number of members: 203 o Names of main members and their countries - 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	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - OSIA 956-5 Hanlim building Dachi dong Kangnam-Gu, Seoul Korea o URL and telephone number - URL: http:// www. voip-forum.or.kr

Name of Forum	URI Standardization Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	7/2001
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

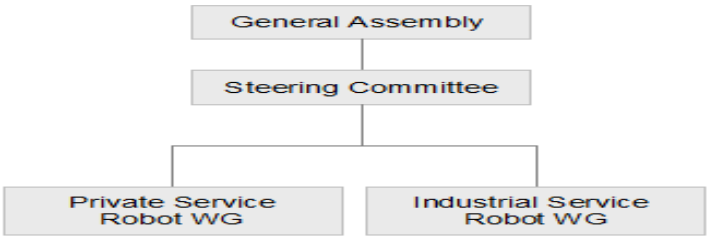
Organizational Structure			
Core Activities	o Mission - Publication of URI Forum Standards - Analyzing international trends of technical development and standardization works in the field of URI - International cooperation for Standardization and research o Work Group Characteristics and Deliverables - 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: - Associate members · Participating Forum standardization works · Having voting right · Being supported in attending Forum seminars & workshops - Annual dues: $300 o Total number of members: 23 o Names of main members and their countries - ETRI, KT, KISPA, NSC, KARUS, NGN Tech, KINX(Korea) etc		
Cooperative Relationships	o Liaison of		
IPR policy	o Unavailable		
Contact Point	o Office location(city/country) - 3F, KTF B/D, 1321-11, Seocho2-dong, Seocho-gu Seoul, Korea o URL and telephone number - URL: http:// www.uriforum.or.kr		
Name of Forum	Future of numbering Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	11/2007
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

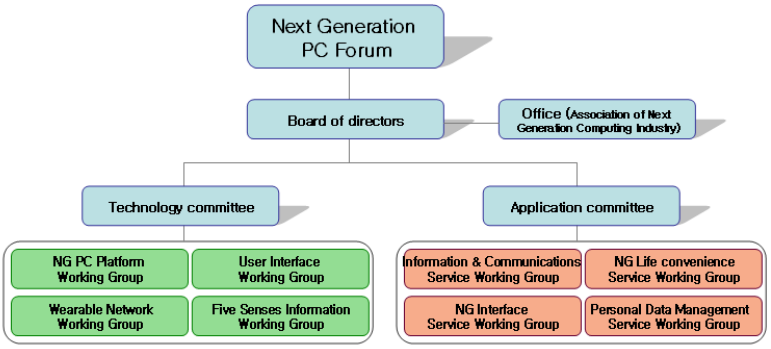
Organizational Structure	
Core Activities	o Mission: Development of general consensus and framework on the following issues: - Convergence aspect of numbers and identifiers in All IP environment - Principles to allocate numbering resources in long term perspectives - Collection of market consensus and user requirements on the numbering evolution
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Propose draft to ITU-T, TISPAN - Number of Meetings, Conferences & workshops held: 23
Membership and Fees (Note 5)	o Annual membership fee: Free o Total number of members: 8 o Names of main members and their countries - LG Dacom, SK Networks, ETRI(Korea) etc
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - Room 501, Hanrim Building, 956-6, Daechi-dong, Kangnam-Ku, Seoul, 135-280, Korea o URL and telephone number - URL: http:// www.fonforum.kr

Name of Forum	Korea Ethernet Forum(KOREF)		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	5/2001
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

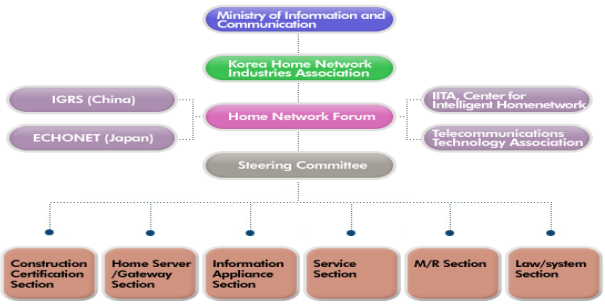
Organizational Structure	
Core Activities	o Mission: - Support Ethernet technology standardization activities - Develop standards and proposals for standardization of Ethernet technology - Contribute to the advancement of Ethernet related innovational technologies - Contribute to the enhancement of domestic Ethernet technology o Work Group Characteristics and Deliverables - Technical WG: Develops standards and proposals for standardization of Ethernet technology
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Developing 6Technical specifications of Ethernet (example: Ethernet Virtual Line Service, Stream Reservation Protocol etc) - Number of Meetings, Conferences & workshops held: 19
Membership and Fees (Note 5)	o Annual membership fee: $1,000/Year o Total number of members: 20 o Names of main members and their countries - ETRI, KT, Samsung Electronics, LG Electronics, Corecess, Dasan Networks, etc.
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - KOREF/OSIA, Room 501, Hanrim Building, 956-6, Daechi-dong, Kangnam-Ku, Seoul, 135-280, Korea o URL and telephone number - URL: www.ethernet.or.kr

Name of Forum	Intelligent Robot Standards		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	9/2005
Object field	o Convergence services relating mainly to Intelligent Robotics		

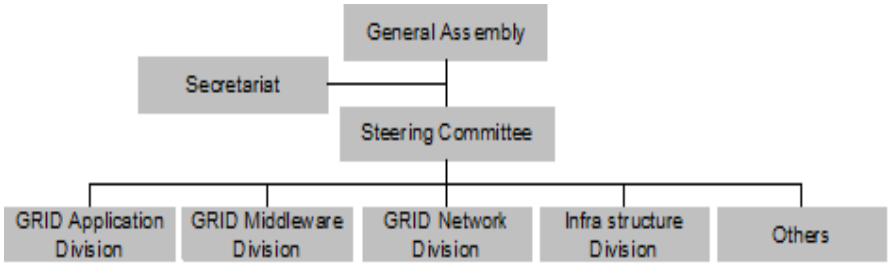
Organizational Structure			
Core Activities	o Mission - To propose the R&D direction and strategy for Intelligent Service Robot related key technologies - To analyze the R&D necessity and competitiveness for Intelligent Service Robot technologies of Korea. - To propose the scope and methodologies of nationwide Intelligent Service Robot technologies research and development plan of Korea. o Work Group Characteristics and Deliverables - Private service Robot WG: - Industial Service Robot WG		
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Developed 13 Fora-Standards		
Membership and Fees (Note 5)	o Annual membership fee: 100,000 won o Total number of members: 43 o Names of main members and their countries - KT(Korea), kitech(Korea), KAIST(Korea), Yu-Jin Robot(Korea)		
Cooperative Relationships	o None		
IPR policy	o Unavailable		
Contact Point	o Office location(city/country) - Korea Advenced Intelligent Robot Association #203, 61-3, Life-Officetel, Yoido-dong, Youngdungpo-gu, 150-731, Seoul, Korea o URL and telephone number - URL: http://www.kirsf.or.kr/index.asp , TEL: +82-2-780-3060		
Name of Forum	Next Generation PC Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	6/ 2004
Object field	o Convergence services relating mainly to u-Computing Including Home- networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - Next Generation PC Technology development - Next Generation PC Standard development o Work Group Characteristics and Deliverables -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	o Progressing and/or completed Technology Standards(specifications) - Developed 9 Technical specifications for Next Generation PC Core technology - Held NG PC Technology and standardization Conferences & workshops: 25 times
Membership and Fees	o Annual membership fee: Free o Total number of members: 60 o Names of main members and their countries - SKT, KT, ETRI (Korea)
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - Association of Next Generation PC Industry. –Seoul Songnam Bldg. 711, 1358-6, Seocho-Dong, Seocho- Gu, Republic of Korea, Seoul o URL and telephone number - URL: http://www.anci.or.kr

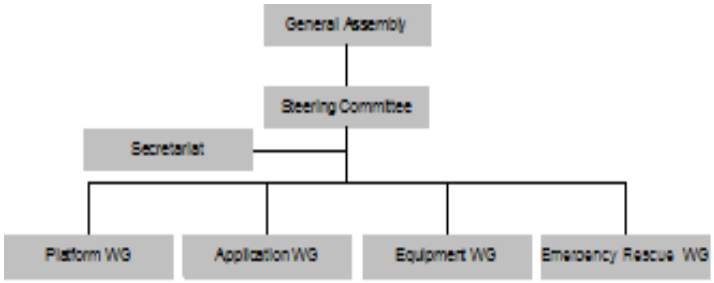
Name of Forum	Home network Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	8/2003
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables - 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: Free o Total number of members: 133 o Names of main members and their countries - ETRI, KT, LG, SAMSUNG(Korea) etc
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - HNA 429-1 New T Building Kasan dong Kumchun-Gu, Seoul Korea o URL and telephone number - URL: http:// www.homenetwork.or.kr

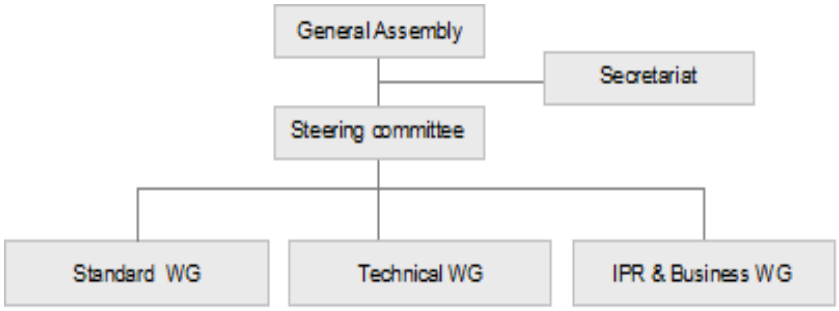
Name of Forum	Grid Forum Korea		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	7/2001
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - Popularization of Gird standardization to construct Gird 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. o Work Group Characteristics and Deliverables - Infrastructure WG, Middleware WG, Application WG, Business WG
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: Free o Total number of members: Individual Member o Names of main members and their countries - KISTI(Korea), IBM(Korea), Oracle(Korea), SUN(Korea), National Grid(Korea), KT(Korea), ANC Technology(Korea), Fujitsu(Korea) etc
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - Supercomputing Center Korea Institute of Science & Technology Information P.O.BOX 122, Yuseong, Taejon 305-600 Korea o URL and telephone number - URL: http:// www.gridforumkorea.org

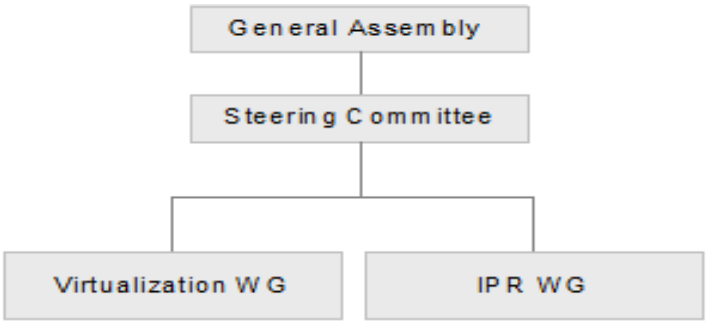
Name of Forum	LBS Standardization Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	1/2003
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - The enhancement of LBS technology standardization activities - The provision of an opportunity to enter into overseas LBS market. o Work Group Characteristics and Deliverables - Platform WG: develop and standardization of the LBS Platform - Application Service WG: develop and standardization LBS equipment and application - Emergency Rescue SIG: research and establish Emergency Rescue
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Development of Domestic LBS technologies Standard (example: 2.3GHz band Portable Internet based Location Technology etc) - Contribute draft LBS Technology at OMA - Number of Meetings, Conferences & workshops held: 11
Membership and Fees (Note 5)	o Annual membership fee: Free o Total number of members: 51 o Names of main members and their countries - SK Telecom(Korea), KTF(Korea), LG Telecom(Korea), Samsung Electronics(Korea), Point I(Korea), ETRI(Korea) etc
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - Dong-Ah Villat 2Town 2F, 1678-2, Seocho-Dong, Seocho-Gu, Seoul,137-070, Korea o URL and telephone number - URL: http:// www.lbskorea.or.kr

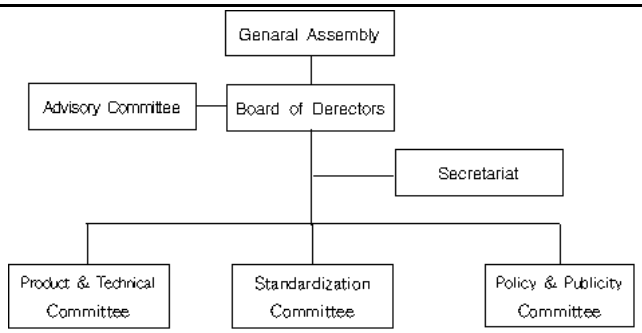
Name of Forum	Telematics/CVB Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	10/2002
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - The enhancement of Telematics and Connected Vehicle Box technology standardization activities - study on regulation .of telematics and CVB o Work Group Characteristics and Deliverables - 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 (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: 7 o Names of main members and their countries - Hyundai(Korea), KIA(Korea) etc
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - 1598-3 sechodong secho-Gu Korea o URL and telephone number - URL: http:// www.kotba.or.kr

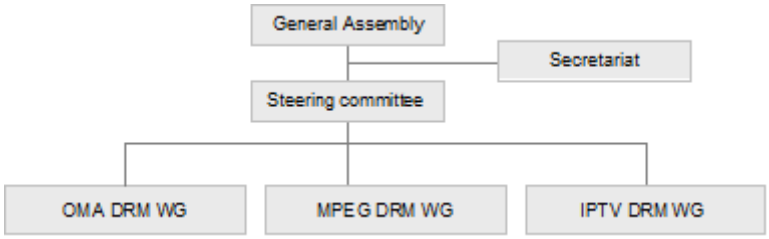
Name of Forum	IT Infra-Service Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	6/2006
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - IT Infra-service technology standardization activities
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Development of Domestic IT Infra technologies Standard (example: Virtualization technologies of datacenter etc) - Number of Meetings, Conferences & workshops held: 2
Membership and Fees (Note 5)	o Annual membership fee: Free o Total number of members: 94 o Names of main members and their countries - CISCO SYSTEMS (Korea
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - Seoul/Korea o URL and telephone number - URL: http:// www.itif.or.kr

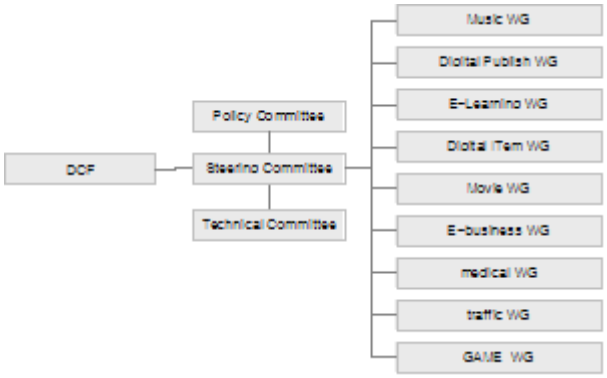
Name of Forum	SoC(System On a Chip) forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	12/2002
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

Organizational Structure	
Core Activities	o Mission - Feasibility study of domestic/foreign SoC standardization - Planning and establishing SoC technology standards o Work Group Characteristics and Deliverables - Product & Technical Committee: SoC design methodology research
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: - companies with annual revenue of more than $ 10M: $ 1,000 - companies with annual revenue of less than $ 10M: $ 500 o Total number of members: 15 o Names of main members and their countries - Samsung Electronics(Korea), Magnachip(Korea)
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - KIPA B/D 8F, 79-2 Garakbon-dong Songpa-gu, Seoul, Korea o URL and telephone number - URL: www.socforum.org,

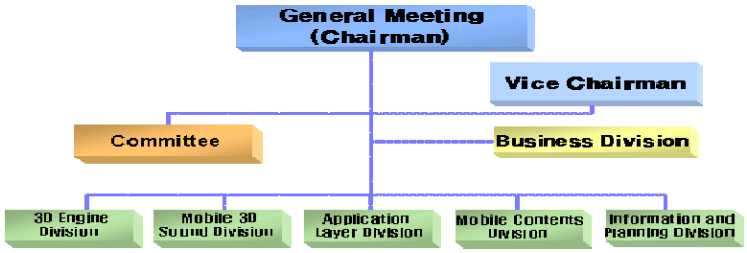
Name of Forum	DRM Forum		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	12/2000
Object field	o Information Technology relating mainly to Digital Contents		

Organizational Structure	
Core Activities	o Mission: - DRM (Digital Rights Management) forum is a forum that benchmarks domestic & 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 o Work Group Characteristics and Deliverables - 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 (Note 4)	o 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 (Note 5)	o Annual membership fee: - Company member: \ 300,000~600,000, Regular member: \100,000 o Total number of members: 20 o Names of main members and their countries - ETRI(Korea), KT(Korea), KERIS(Korea), Markany(Korea), DigiCap(Korea), Fasoo.com(Korea)
Cooperative Relationships	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - Digital Contents Research Division, ETRI 161 Gajeong-dong, Yusung-gu, Taejon, Korea o URL and telephone number - URL: www.drm.or.kr

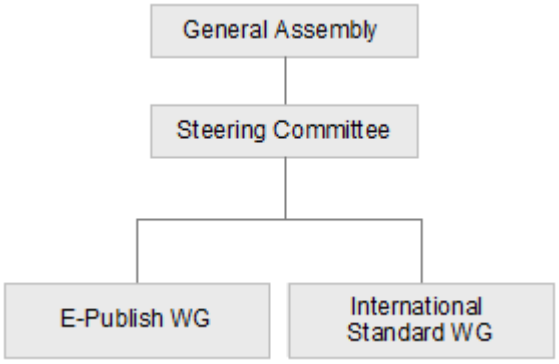
Name of Forum	DCF(Digital Contents Forum)		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	4/2003
Object field	o Information Technology relating mainly to Digital Contents		

Organizational Structure	
Core Activities	o Mission: - To study metadata related to domestic digital content distribution - To proceed with domestic metadata standardization - To prepare mutual cooperation with domestic and international organizations o Work Group Characteristics and Deliverables - WG7: 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 (Note 4)	o 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 (Note 5)	o Annual membership fee: USD 500 o Total number of members: 75 o Names of main members and their countries - 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	o None
IPR policy	o Unavailable
Contact Point	o Office location(city/country) - Yongsna ParkXi 104-801, Hangang ro 1ga, Yongsan Gu, Seoul, Korea o URL and telephone number - URL: dcforum.or.kr/E/DCF/DCF_01.htm

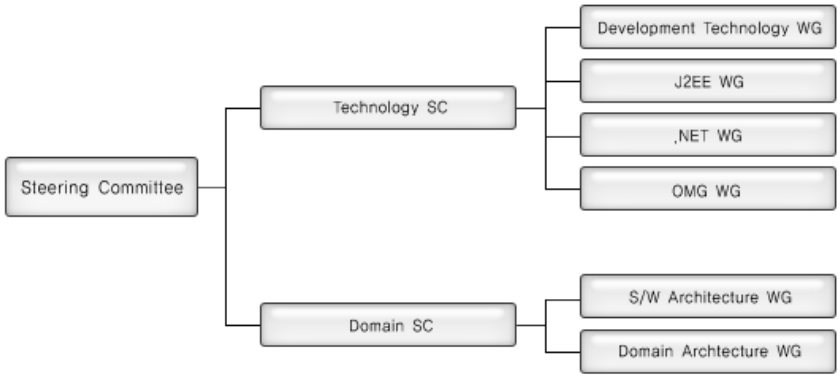
Name of Forum	M3DSF(Moblie 3D Standardization Forum)		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	4/2004
Object field	o Information Technology relating mainly to Digital Contents		

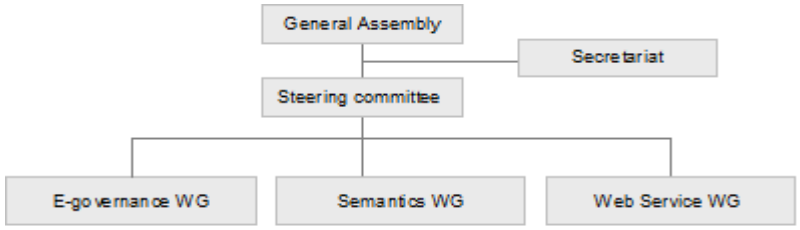
Organizational Structure	
Core Activities	o Mission: - Development of Domestic and International Standards on Mobile 3D Graphics, Sound, Game and Multimedia area - Development of specifications to implement and ensure Interoperability. o Work Group Characteristics and Deliverables - 3D Engine WG: standardization 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: Free o Total number of members: 42 o Names of main members and their countries - 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	o Liaison of OMA Game Service WG(2007.12)
IPR policy	o available
Contact Point	o Office location(city/country) - 161 Gajeong-dong, Yuseong-gu, 305-700 Daejon/Korea o URL and telephone number - URL: http://www.m3dsf.or.kr

Name of Forum	Metadata Cross-work Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	4/2004
Object field	o Information Technology relating mainly to Digital Contents		

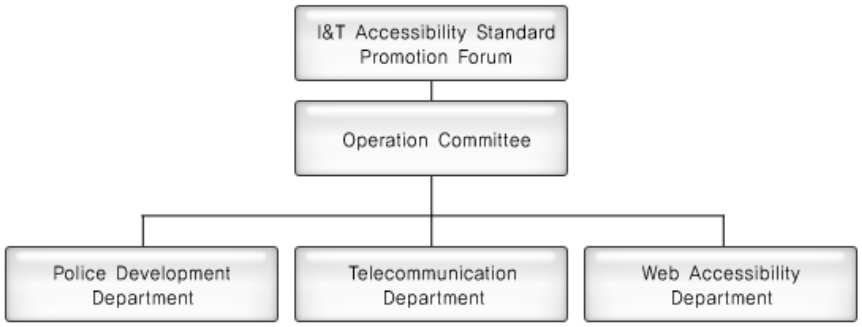
Organizational Structure	
Core Activities	o Mission: - To develop to guarantee consistent and objective description of metadata. - To develop meta-model and present for utilization in database integration and cross-operation for electronic publishing information. o Work Group Characteristics and Deliverables - Electronic Publishing WG: development of electronic Publishing of Metadata, meta model etc - International Standard WG: correspond to De-facto Standard forum
2007 Results (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: - o Names of main members and their countries - Privacy member
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - Database Promotion Center da-dong, seoul, korea o URL and telephone number - URL: http://mcf.dpc.or.kr/

Name of Forum	SW technology Standardization Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	6/2001
Object field	o Information Technology relating mainly to u-Infra SW		

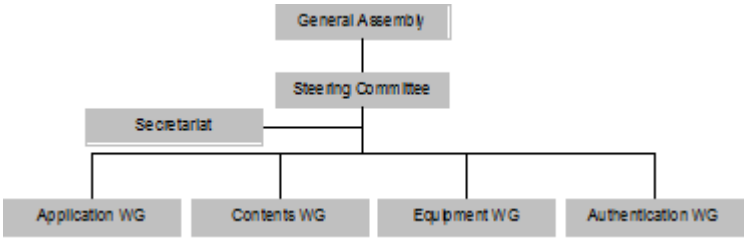
Organizational Structure			
Core Activities	o Mission: - Participation in the international standardization in the field of Software component, and popularization of foreign standard technology in Korea - Establishment of domestic component standard and promotion of its active application in domestic industry - Collecting, analyzing, studying and distributing information on standardization related Software component - Training and supporting the specialists in component standardization of each field. o Work Group Characteristics and Deliverables - Architecture WG: development of Software Architecture - Embedded WG: development of embedded Software		
2007 Results (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: 151 o Names of main members and their countries - Samsung SDS(Korea), LG CNS(Korea), KIPA(Korea), TTA(Korea), ETRI(Korea)		
Cooperative Relationships	o None		
IPR policy	o unavailable		
Contact Point	o Office location(city/country) - 8th floor KIPZ building 79-2 Karakbon-dong Songpa-gu Seoul, South Korea o URL and telephone number - URL: http:// www.kosta.or.kr		
Name of Forum	Web Korea Forum		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	8/2003
Object field	o Information Technology relating mainly to u-Infra SW		

Organizational Structure	
Core Activities	o Mission: - To enhance synergy effect for domestic web technologies and industrial developments with furnishing the space for unified information exchange among the government, industries, and educational-research institute along with web-based technology, standard, application and policy - To accept and diffuse global web technology and standard in accord with to global standardization trend to promote internationalization and standardization of domestic web technology. o Work Group Characteristics and Deliverables - Semantic Web WG: development of Web ontology Language, semantic web service, etc - e-Governments WG: development of e-government web
2007 Results (Note 4)	o 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 (Note 5)	o Annual membership fee: - Company employing more than 200 people: $ 1000(a profit-making organization), $ 500(a nonprofit organization), - Companies employing less than 200 people: $ 500(a profit-making organization), $ 500(a nonprofit organization), - Personal:$ 50(general)/$ 20(student) o Total number of members: 23 o Names of main members and their countries - NIA, Samsung SDS, Daewoobrenic, Datec, SICC, K4m, ETRI, HP, IBM, LG CNS
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - NIA Bldg. 77, Mugyo-Dong, Jung-Gu Seoul 110-775, Republic of Korea o URL and telephone number - URL: http:// www.webkorea.or.kr/

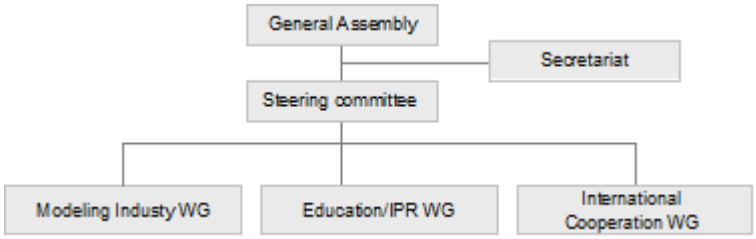
Name of Forum	IABF(Information and Telecommunications Accessibility Promotion Standard Forum)		
Active Purpose	others	Established Date(mm/yyyy)	5/2002
Object field	o Information Technology relating mainly to u-Infra SW		

Organizational Structure	
Core Activities	o Mission: - 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. o Work Group Characteristics and Deliverables - 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 (Note 4)	o 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 (Note 5)	o Annual membership fee: Free o Total number of members: 30 o Names of main members and their countries - Samsung, IBM Korea, LG, and so on
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - IABF Forum, Korea Agency for Digital Opportunity & Promotion 645-11, Deungchon 1-Dong, Gangseo-Gu 157-715, Seoul, Korea o URL and telephone number - URL: http:// www.iabf.or.kr/En/About.asp

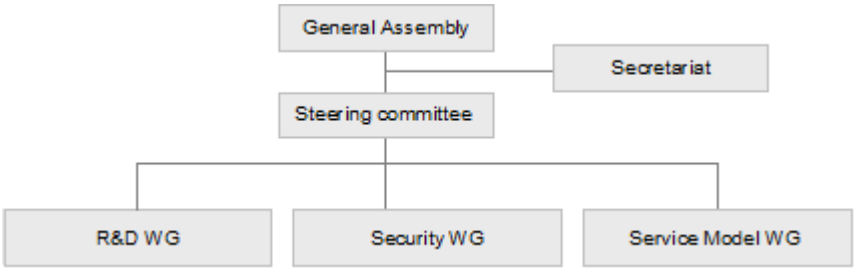
Name of Forum	Mobile web 2.0 Forum		
Active Purpose	- development of de-facto standards - development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	3/2007
Object field	o Information Technology relating mainly to u-Infra SW		

Organizational Structure	
Core Activities	o Mission: - Mobile Web based industry revitalization and Domestic mobile web industry competitiveness enhancement through for domestic and overseas standardization or technology development activities - Lead global standardization through domestic mobile web competitive power enhancement, o Work Group Characteristics and Deliverables - Application technology WG: Develop and standardize Mobile Web application based on XML - Contents WG: Development of makeup language to mobile web contents
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Developing more than 10 Domestic Technical specifications of mobile web technology(example: Requirement of mobile ok of korea, DDC v 1.0 etc) - Number of Meetings, Conferences & workshops held: 42
Membership and Fees (Note 5)	o Annual membership fee: - Company member: \ 50,000~600,000 o Total number of members: 36 o Names of main members and their countries - Samsung, SKT, KT, KTF and so on
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - Korea Contents Industry and Business Association 607-12 Yoksam dong Seoul, Korea o URL and telephone number - URL: http:// www.iabf.or.kr/En/About.asp

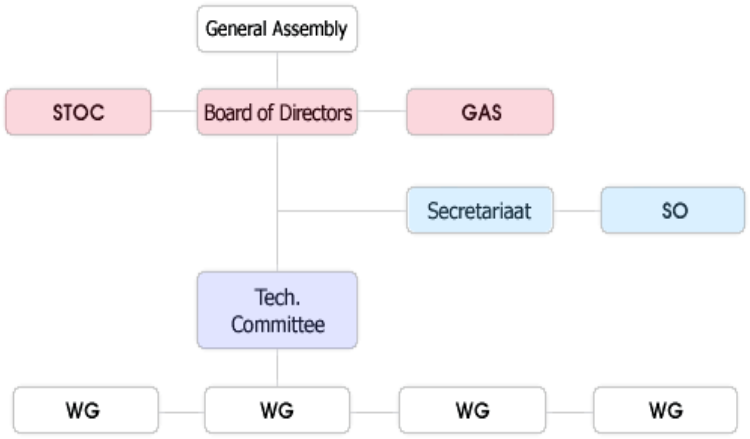
Name of Forum	Modeling Forum Korea		
Active Purpose	- development of de-facto standards - development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	3/2007
Object field	o Information Technology relating mainly to u-Infra SW		
Organizational Structure			

Core Activities	 o Mission: - 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, o Work Group Characteristics and Deliverables - Modeling Industry Promotion Subcommittee - Modeling Education, Certification Subcommittee - Modeling International Subcommittee
2007 Results (Note 4)	o 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 (Note 5)	o Annual membership fee: Free - Company member: \ 50,000~600,000 o Total number of members: 36 o Names of main members and their countries - Samsung, SKT, KT, KTF and so on
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - Korea Contents Industry and Business Association 607-12 Yoksam dong Seoul, Korea o URL and telephone number - URL: http:// www.iabf.or.kr/En/About.asp

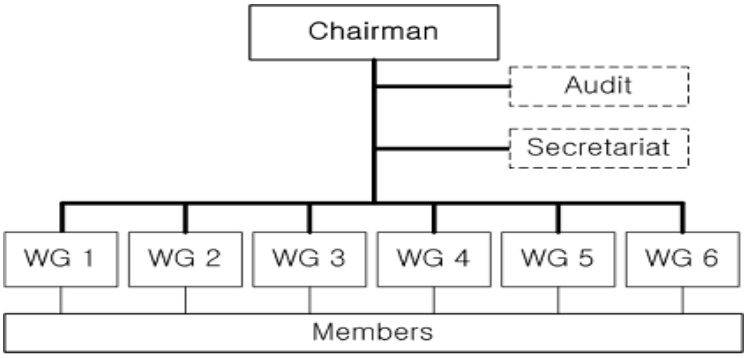
Name of Forum	u-payment Forum		
Active Purpose	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	2/2000
Object field	o Convergence services relating mainly to Electronic Commerce		

Organizational Structure	
Core Activities	o Mission: - 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 o Work Group Characteristics and Deliverables - Service model WG: Development of U-payment Service model - Security and testing WG: Promoting security and convenience of u-payment
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Developing Domestic Technical specifications of u-payment - Number of Meetings, Conferences & workshops held: 82
Membership and Fees (Note 5)	o Annual membership fee: - Company member: 50,000~1,000,000 KRW/Year o Total number of members: 82 o Names of main members and their countries - Samsung, SKT, KT, KTF, LG Telecom and so on
Cooperative Relationships	o None
IPR policy	o unavailable
Contact Point	o Office location(city/country) - 6th Fl. FKI Bld. 28-1, Yoido-dong, Youngdungpo-gu, Seoul, Korea o URL and telephone number - URL: www.kepia.org

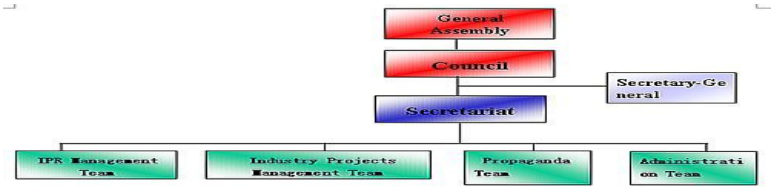
Name of Forum	ECIF(Integrated Forum on Electronic Commerce)		
Active Purpose	development of de-facto standards	Established Date(mm/yyyy)	6/2000
Object field	o Convergence services relating mainly to Electronic Commerce		

Organizational Structure	
Core Activities	o Mission: - Support the creation of an e-commerce infrastructure environment. - Discuss and coordinate mutually operable common standards. - Support joint response for international standard organizations. o Work Group Characteristics and Deliverables - E-Catalog Technology WG: Development of E-Catalog - Electronics Document Technology WG: Development of EDI
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Developed 10 ECIF standards. - Number of Meetings, Conferences & workshops held: 43
Membership and Fees (Note 5)	o Annual membership fee: Free o Total number of members: 697 o Names of main members and their countries - Korea Chamber of Commerce and Industry, Korea CALS/EC Institute, EC Research and Development Association of Korea, Small & Medium Industry Promotion Corporation
Cooperative Relationships	o None
IPR policy	o available
Contact Point	o Office location(city/country) - Sungwoo Bldg. 2F. 717-3 SuSeo-dong Kangnam-gu, Seoul, 135-884, S.Korea o URL and telephone number - URL: http://www. ecif.or.kr

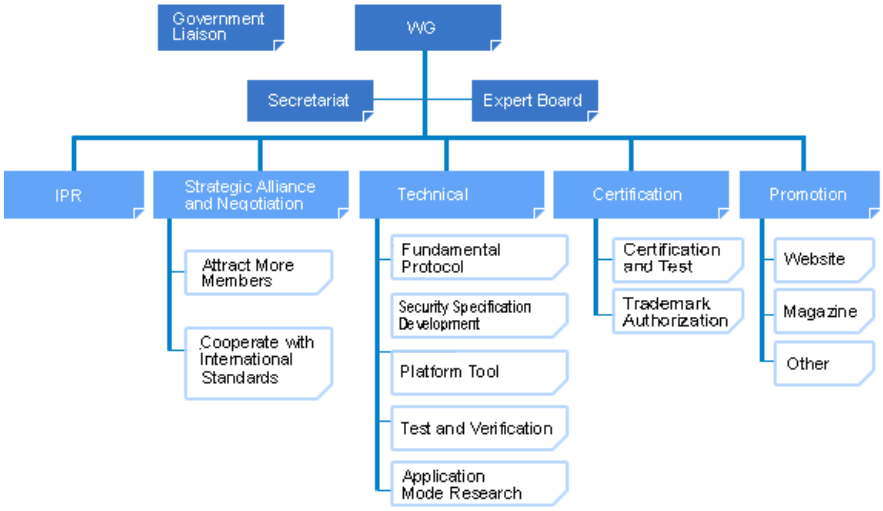
Name of Forum	KOREA BIOMETRICS Forum		
Active Purpose	development of pre-standards	Established Date(mm/yyyy)	2/2001
Object field	o Convergence services relating mainly to Electronic Commerce		

Organizational Structure	
Core Activities	o Mission: - 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 o Work Group Characteristics and Deliverables - WG1: Biometrics Technology - WG2: Interoperability Standard - WG3: Biometrics Security Protocol - WG4: Test and Evaluation Protocol - WG5: Industrial Cooperation - WG6: International Cooperation
2007 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Propose more than 50 biometric specification draft at JTC1 SC37 - Number of Meetings, Conferences & workshops held: 18
Membership and Fees (Note 5)	o Annual membership fee: - Company member: 500,000 KRW/Year o Total number of members: 39 o Names of main members and their countries - ETRI, KISA, EITGEN and so on
Cooperative Relationships	o None
IPR policy	o available
Contact Point	o Office location(city/country) - Sungwoo Bldg. 2F. 717-3 SuSeo-dong Kangnam-gu, Seoul, 135-884, S.Korea o URL and telephone number - URL: www.biometrics.or.kr

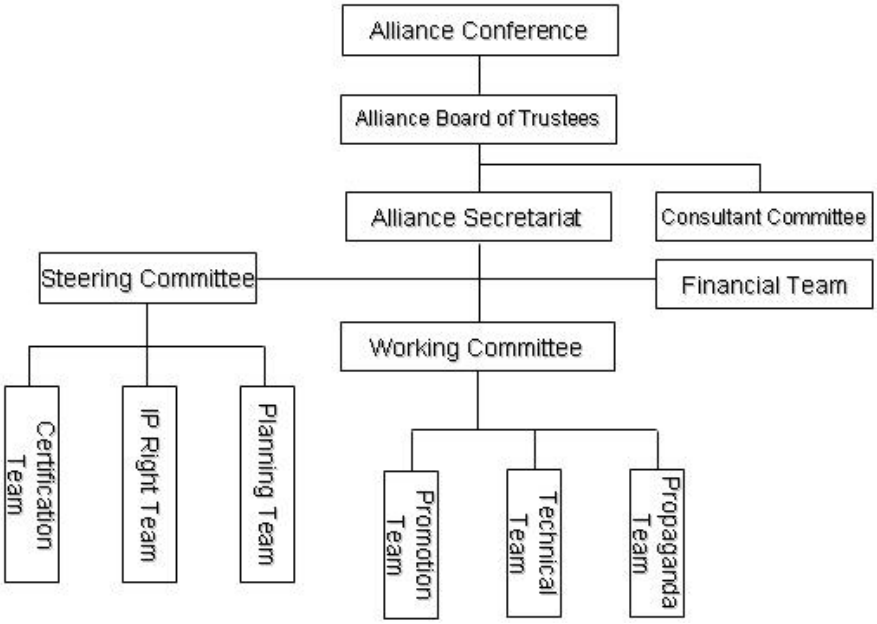
no.cn01

Name of Forum	TD-SCDMA Industry Alliance(TDIA)		
Active Purpose	1) development of pre-standards 2) others:Technology/Standards Promotion	Established Date(mm/yyyy)	10/2002
Object field	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			
Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables - 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	o 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 commerciallization and internationalization of TD-SCDMA.		
Membership and Fees	o TDIA welcomes domestic and foreign enterprises and institutions who meet the following requirements to join the alliance: a. Has independent legal entity; b. Will abide by the Constitution of TDIA; and c. Has been involved with research, development, manufacturing or service of TD-SCDMA. o annual dues:100,000 RMB . . o total number of members:51 o Names of main members and their countries - Datang Mobile Communications Equipment Co., Ltd China		
Cooperative Relationships	o None		
IPR policy	o available / ~~unavailable~~		
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.tdscdma-alliance.org/ , TEL: 86-10- 82607490/91/92/97		

no.cn02

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(mm/yyyy)	4/2003
Object field	o Convergence services relating mainly to uComputing Including Homenetworking, Intelligent Transport System and PC etc		
Organizational Structure			
Core Activities	o Mission - 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. o Work Group Characteristics and Deliverables - 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	o 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 means 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.		
Membership and Fees	o IGRS welcomes domestic and foreign enterprises and institutions who Has been involved with ITS industry to join the group o Observer: annual dues:5,000 RMB .		

	o Common members: annual dues:20,000 RMB . o Extension members: annual dues:50,000 RMB . o Core Members: annual dues:100,000 RMB . o total number of members:107 o 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 Institude , 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
Cooperative Relationships	• 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－atHome and delivered keynote address • Participated and presented IGRS concepts in ISO/JTC1/WC25/WG1 meeting
IPR policy	o available / ~~unavailable~~
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.igrs.org/en/index/index.asp - TEL: 86-10- 58732555

Name of Forum	Home Network Standards Industry Alliance(ITopHome)		
Active Purpose	1) development of "de facto" standards 2) others:Technology/Standards Promotion	Established Date(mm/yyyy)	7/2004
Object field	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		
Organizational Structure			
Core Activities	o Mission - Preparation of standards - Market promotion - Subject organization & training - Product testing and certification o Work Group Characteristics and Deliverables - The Promotion Team is responsible for new member adoption, communication & 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	o Progressing and/or completed Technology Standards(specifications) In OCT, 24th, 2007, Itophome new products shining on "China 9th Hi-tech fair"; home intelligent control terminal (U-home) was highly awarded.		

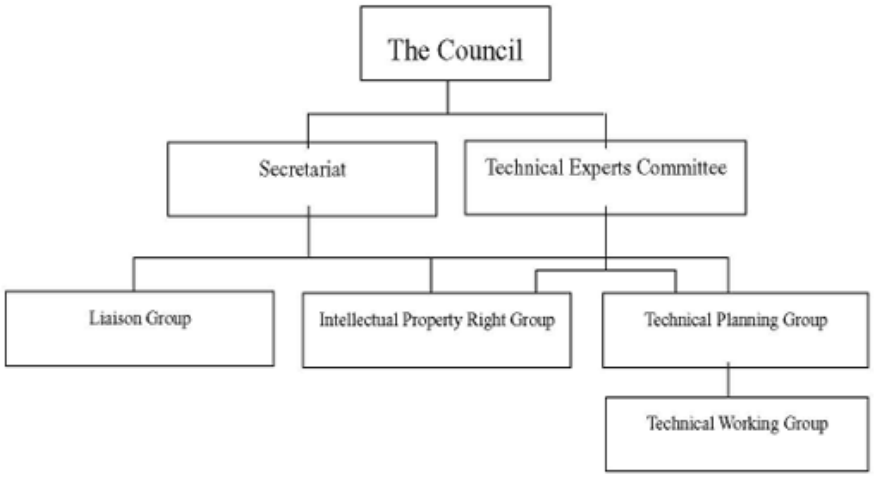
Membership and Fees	o ITopHome welcomes domestic and foreign enterprises and institutions who Has been involved with ITS industry to join the alliance. o Registered Members: domestic companies: 5,000RMB; foreign o companies:5,000USD. o Common Members: domestic companies: 10,000RMB; foreign companies:10,000USD. o Council Members: domestic companies: 50,000RMB; foreign companies: 50,000USD. o total number of members:16 o Names of main members and their countries - Haier Co.,Ltd., China
Cooperative Relationships	o None
IPR policy	o available / ~~unavailable~~
Contact Point	o Office location(city/country) - Qingdao/China o URL and telephone number - URL: http://www.itophome.org.cn/ - TEL: 86-532-88939714

no.cn04

Name of Forum	SCDMA Industry Alliance		
Active Purpose	others:Technology/Standards Promotion	Established Date(mm/yyyy)	8/2004
Object field	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure	o Alliance council. o Alliance secretariat. o Advisory committee		
Core Activities	o Mission - Preparation of standards - Development of technology o Work Group Characteristics and Deliverables - Standards Working Committee and Technical Committee: develop the standards and technology of SCDMA.		
2007 Results	o Construction and Testing of SCDMA Data Service Simulation Network		
Membership and Fees	o SCDMA Industry Alliance welcomes domestic and foreign enterprises and institutions who Has been involved with research, development, manufacturing or service of SCDMA related technology. to join the alliance. o No fee. o total number of members:19 o Names of main members and their countries - Xinwei Communication Technology Co., Ltd.China		
Cooperative Relationships	o None		
IPR policy	o ~~available~~ / unavailable		
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.scdma.org.cn/ - TEL: 86-10-62802288		

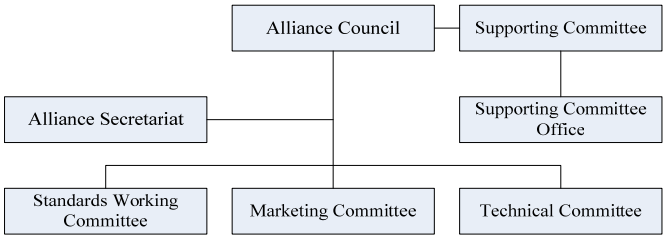
no.cn05

Name of Forum	Mobile Multimedia Technology Alliance(MMTA)		
Active Purpose	1) development of pre-standards 2) others: Technology/Standards Promotion	Established Date(mm/yyyy)	10/2004
Object field	o Convergence Infrastructure relating to Mobile Communication Information Technology relating mainly to Digital Contents		

Organizational Structure	
Core Activities	o 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 output of MMTA will benefit the whole mobile industry. o 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	o 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.
Membership and Fees	o MMTA welcomes domestic and foreign enterprises and institutions who meet the following requirements to join the alliance: a. Has independent legal entity; b. Will abide by the Constitution of MMTA; and c. Has been involved with research, development, manufacturing or service of mobile multimedia related technology. o annual dues:20,000 RMB o total number of members:9

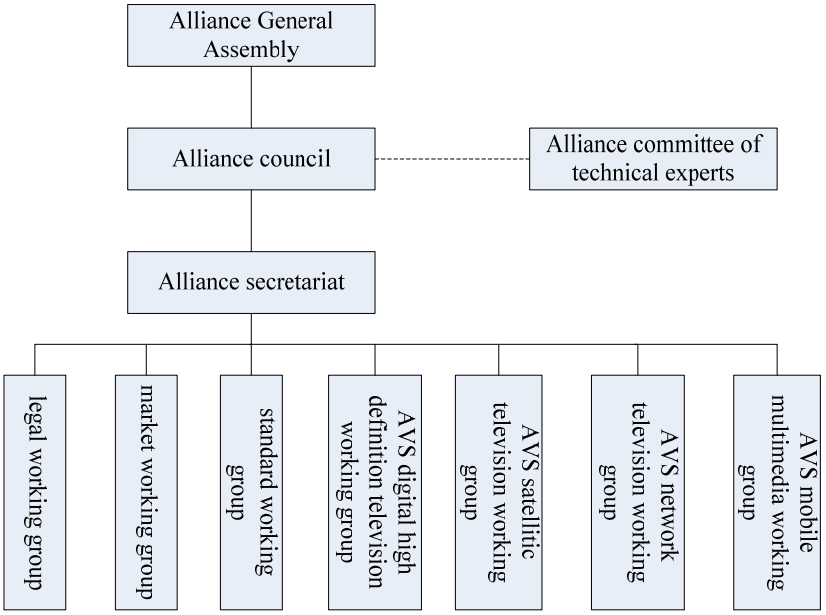
	o Names of main members and their countries - China Academy of Telecommunication Research of MII, China Vimicro Corporation, China
Cooperative Relationships	o None
IPR policy	o available / ~~unavailable~~
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.mmta.org.cn/english/index.asp - TEL: 86-10- 68948888

no.cn06

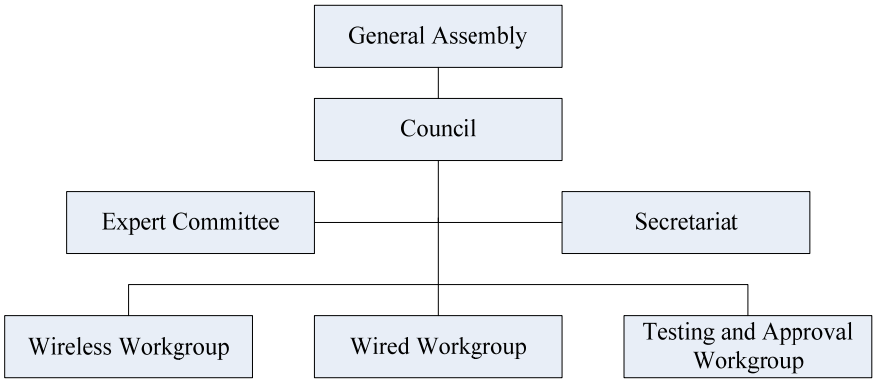
Name of Forum	ChangFeng Open Standards Platform Software Alliance(CFA)		
Active Purpose	1) development of "de facto" standards 2) others: Technology/Standards Promotion	Established Date(mm/yyyy)	4/2005
Object field	o Information Technology relating mainly to u-Infra SW		
Organizational Structure			
Core Activities	o Mission - Preparation of standards - Market promotion - Development of technology o Work Group Characteristics and Deliverables - Standards Working Committee and Technical Committee: develop the stan dards and technology of Open Standards Platform Software.		
2007 Results	o Progressing and/or completed Technology Standards(specifications) In OCT, 2007, CFA held 2007 Beijing International Congress of Open Standards.		
Membership and Fees	o CFA welcomes domestic and foreign enterprises and institutions who Has been involved with research, development, manufacturing or service of platform software industry related technology. to join the alliance. o annual dues:100,000 RMB o total number of members:61 o Names of main members and their countries - Digital China,Taiji Computer, Kingsoft, Click Tech, Red Flag Software Co., Ltd ,etc. China		
Cooperative Relationships	o Cooperate with Organization for the Advancement of Structured Information Standards (OASIS , USA)		
IPR policy	o ~~available~~ / unavailable		
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.changfeng.org.cn/, TEL: 86-10- 82331717-813		

no.cn07

Name of Forum	Audio and Video Coding Standard Industry Alliance(AVSA)		
Active Purpose	1) development of specifications in order to implement and ensure the interoperability. 2) development of pre-standards 3) others: Technology/Standards Promotion	Established Date(mm/yyyy)	5/2005

Object field	o Convergence Infrastructure relating mainly to Digital Broadcasting Information Technology relating mainly to Digital Contents
Organizational Structure	
Core Activities	o Mission - Develop and disseminate AVS standards. - Establish a whole Audio and Video Industry System based on AVS standards o Work Group Characteristics and Deliverables - Market WG: disseminate AVS standards - Standard and technic WG:develop the standards and technology of AVS - Legal WG: deal with legal problems
2007 Results	o Progressing and/or completed Technology Standards(specifications) AVS WORLD2008 Forum
Membership and Fees	o Annual membership fee: Common members: will abide by the Constitution of AVSA; and Has been be involved with research, development, manufacturing or service of AVS industry, or will be involved with research,development, manufacturing or service of AVS industry. o annual dues: 50,000 RMB . Council members: Common members who has been involved materially with research, development, manufacturing or service of AVS industry. o annual dues: 100,000 RMB . o total number of members: 18. o Names of main members and their countries - United Information Source Signal Audio and Video Technologies (Beijing) Co., Ltd (USC) China

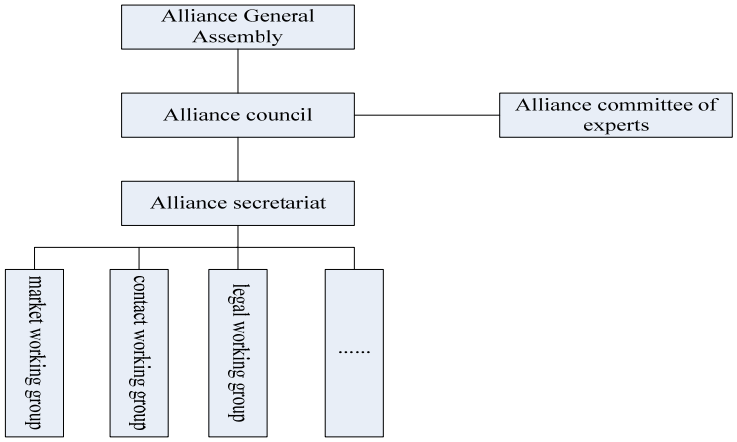
Cooperative Relationships	o Coroperate with Audio and Video Coding Standard Workgroup of China on pushing AVS standards.
IPR policy	o ~~available~~ / unavailable
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.avsa.org.cn/ , TEL: 86-10-58858300-344

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(mm/yyyy)	11/2005
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		
Organizational Structure			
Core Activities	o 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 o 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 & 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 thetelecomm unication 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	o TAF held the third general meeting in Beihai on April 5th ,2007.		
Membership and Fees	o TAF welcomes domestic and foreign enterprises and institutions who meet the following requirements to join the alliance: a. Has independent legal entity;		

	b. Will abide by the Constitution of TAF. o Common Members: no fee o total number of members: 70 o Names of main members and their countries - China Academy of Telecommunication Research of MII China
Cooperative Relationships	o None
IPR policy	o ~~available~~ / unavailable
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.taf.net.cn/EN/

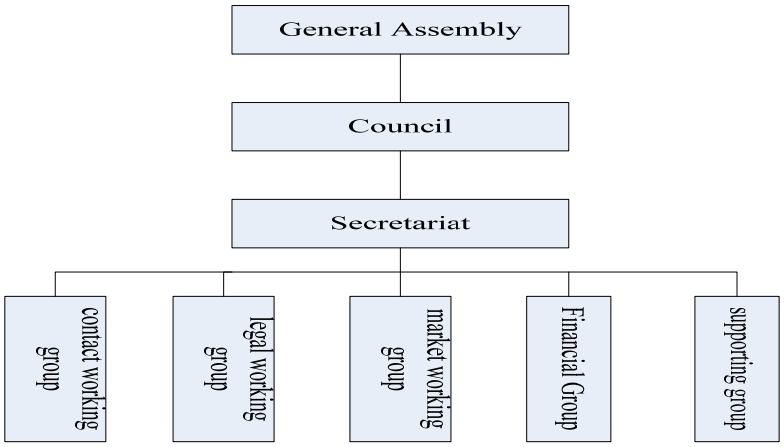
no.cn09

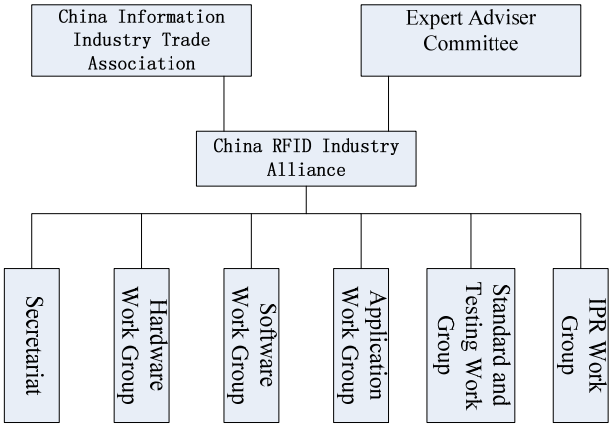
Name of Forum	WLAN Authentication and Privacy Infrastructure Industry Alliance(WAPI Industry Alliance)		
Active Purpose	1) development of pre-standards 2) others:Technology/Standards Promotion	Established Date(mm/yyyy)	3/2006
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - Develop and disseminate WAPI standards. - Establish a whole WLAN Industry System based on WAPI standards o Work Group Characteristics and Deliverables - Market WG: disseminate AVS standards - Contact WG:contact affair - Legal WG: deal with legal problems
2007 Results	o Progressing and/or completed Technology Standards(specifications) The first council meeting of WAPI Industry Alliance was held in Beijing at March 6th ,2007.
Membership and Fees	o Common members: will abide by the Constitution and the IPR policy of WAPI Industry Alliance; and Has been be involved materially with research, development, manufacturing or service of WAPI industry. annual dues: 50,000 RMB , Council members: has been common members for more than one year and promise to sign a IPR statement within council members. o annual dues: 50,000 RMB . o total number of members:37 o Names of main members and their countries - China IWNCOMM Co., Ltd. China
Cooperative Relationships	o None
IPR policy	o available / ~~unavailable~~
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.wapia.org/ , TEL: 86-10- 82357754

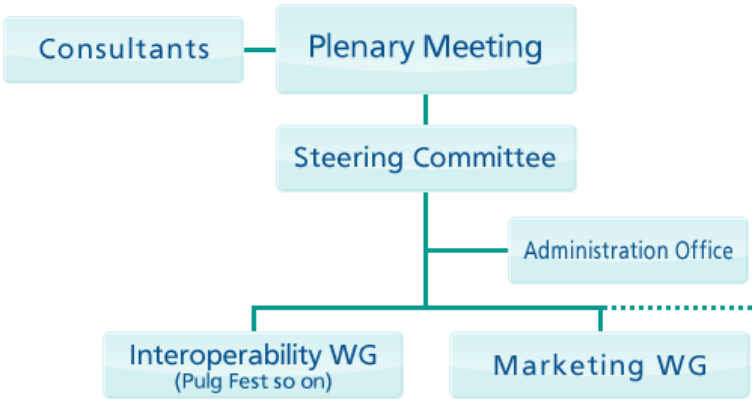
no.cn10

Name of Forum	China Bluetooth Technical Industry Alliance		
Active Purpose	others: Technology/Standards Promotion	Established Date(mm/yyyy)	12/2006
Object field	o Convergence Infrastructure relating mainly to Broad Convergence Network		

Organizational Structure	
Core Activities	o Mission - Preparation of standards - Development of technology o Work Group Characteristics and Deliverables - Market WG: disseminate Bluetooth standards - Contact WG:contact affair - Legal WG: deal with legal problems
2007 Results	o The first council meeting of China Bluetooth Technical Industry Alliance was held in Beijing at July 12th ,2007.
Membership and Fees	o Common members: will abide by the Constitution and the IPR policy of Bluetooth Industry Alliance; and Has been be involved materially with research, development, manufacturing or service of Bluetooth industry. annual dues: 100 RMB. o Council members: has been common members for more than one year and promise to sign a IPR statement within council members. annual dues: 3,000 RMB. o total number of members:more than 90
Cooperative Relationships	o Keep in touch with Bluetooth SIG
IPR policy	o available / ~~unavailable~~
Contact Point	o Office location(city/country) - Shenzhen/China o URL and telephone number - URL: http://www.cbtiu.com/ TEL: 86-755-82542169

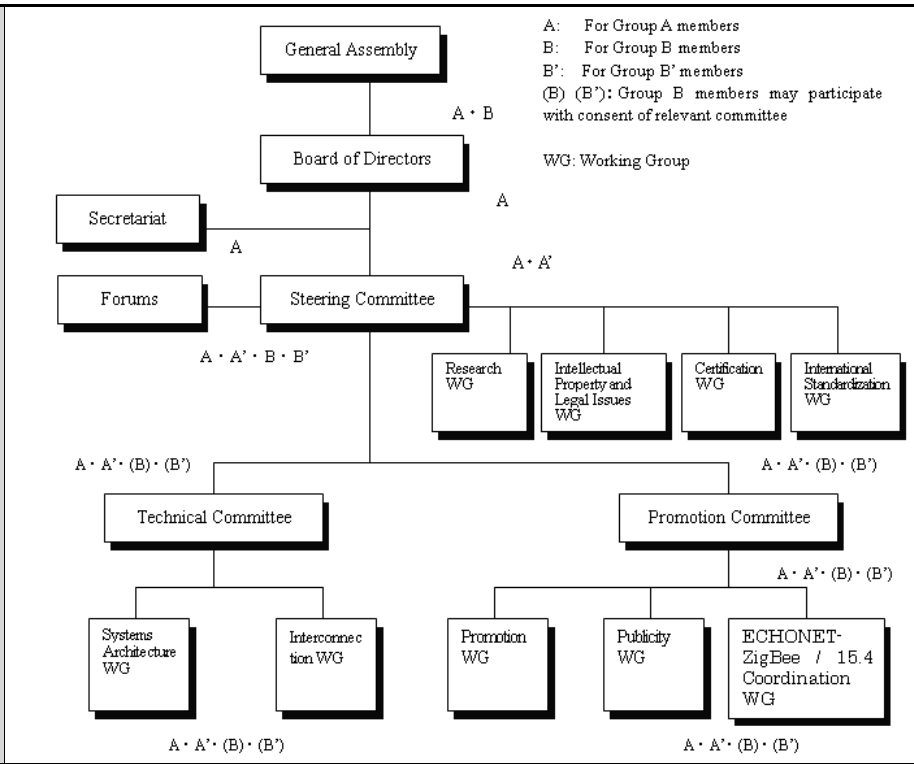
Name of Forum	China RFID Industry Alliance		
Active Purpose	1) development of specifications in order to implement and ensure the interoperability. 2) development of pre-standards 3) development of "de facto" standards 4) others	Established Date(mm/yyyy)	12/2006
Object field	o Convergence services relating mainly to RFID/USN		
Organizational Structure			
Core Activities	o Mission - Development of standards and technology - Application of RFID technology o Work Group Characteristics and Deliverables - Technology WG: develop standards, technology and application of RFID - IPR WG: operate the uniform Intellectual Property(IP)Rights policies Within the Alliance		
2007 Results	O 2007 China International Smart Cards（Shanghai）Expo & RFID Seminar was held in Shanghai at November 20th ,2007. The 5th China (Beijing) RFID International Summits Conference was held in Beijing.at May 10th,2007 .		
Membership and Fees	o Common members and council members will abide by the Constitution and the IPR policy of China RFID Industry Alliance; and Has been be involved materially with research, development, manufacturing or service of Bluetooth industry. o Common members annual dues: 2000 RMB. o Council members annual dues: 4,000 RMB. o total number of members:171		
Cooperative Relationships	o None		
IPR policy	o available / ~~unavailable~~		
Contact Point	o Office location(city/country) - Beijing/China o URL and telephone number - URL: http://www.ciitarfid.org/index.asp TEL: 86-10- 51798576		

New

<table>
<tr><td>Name of Forum</td><td colspan="3">HDPLCA (HD-PLC Alliance)</td></tr>
<tr><td>Active Purpose (Note 1)</td><td>others</td><td>Established Date(mm/yyyy)</td><td>09/2007</td></tr>
<tr><td>Object field (Note 2)</td><td colspan="3">o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc</td></tr>
<tr><td>Organizational Structure</td><td colspan="3"> 
</td></tr>
<tr><td>Core Activities (Note 3)</td><td colspan="3">o Mission（Activities）
- Creating a simple and stable communication environment
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
1) Web value added information and seminars.
2) Advertising campaigns and collaborative expos. etc,
- Promoting connectivity between home, business, and inter-industry devices.
1) Technology conferences, cooperation with other alliances.
2) Share information on usage environments for PLC
3) Promotion of industry standards.</td></tr>
<tr><td>2008 Results (Note 4)</td><td colspan="3">o Progressing and/or completed Technology Standards (specifications)
- 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</td></tr>
</table>

Membership and Fees (Note 5)	o Annual membership fee: -Promoter and Promoter-Affiliated Member :annual dues : 500,000 yen - Ordinary and Ordinary-Affiliated Member :annual dues : 300,000 yen o total number of members :20 o Names of main members and their countries : - 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 (Note 6)	o IEEE, CEPCA（Consumer Electric Powerline Alliance）
IPR policy (Note 7)	o unavailable
Contact Point	o Office location(city/country) - Panasonic Communications Co., Ltd. 4-1-62 Minoshima, Hakata-ku, Fukuoka-city, Fukuoka, 812-8531 Japan o URL and telephone number - URL : http://www.hd-plc.org/ , TEL : :+81-92-477-1671

Name of Forum	ECHONET (ECHONET Consortium)		
Active Purpose (Note 1)	development of "de facto" standards	Established Date(mm/yyyy)	12/1997
Object field (Note 2)	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

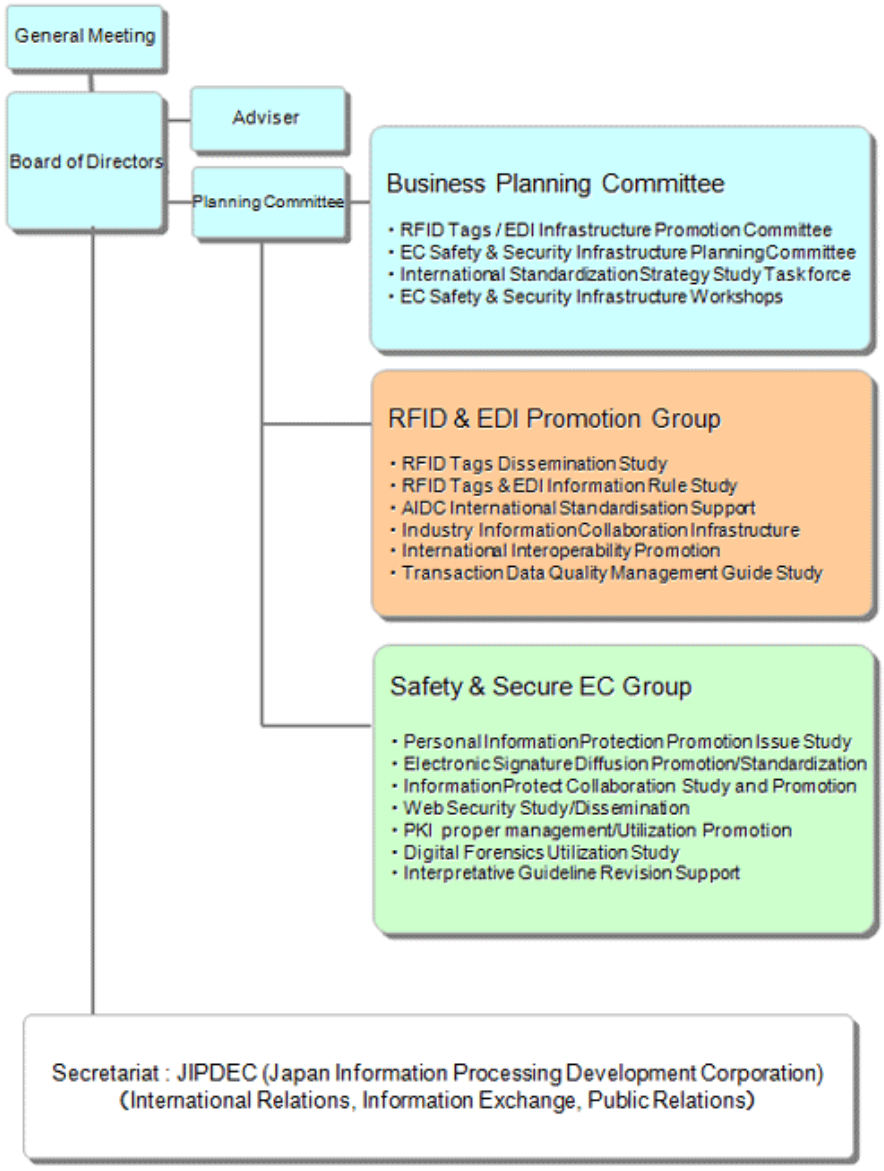
Organizational Structure	
Core Activities (Note 3)	o Mission - To develop key software and hardware technical standards for home network systems that conserve energy, improve home security and healthcare, enable remote monitoring and control of equipment, and so on. o Work Group Characteristics and Deliverables - 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 (Note 4)	o Progressing and/or completed Technical Standards (specifications) - ECHONET Specification Ver3.20 - ECHONET CONSORTIUM 2007 exhibited results of activities to promote popularization of ECHONET in CEATEC JAPAN Exhibition.

<table>
<tr><td>Membership and Fees (Note 5)</td><td>o Annual membership fee:
<table>
<tr><th>Category</th><th>Requirements</th><th>Type of Participation</th><th>Fee (Annual)</th></tr>
<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

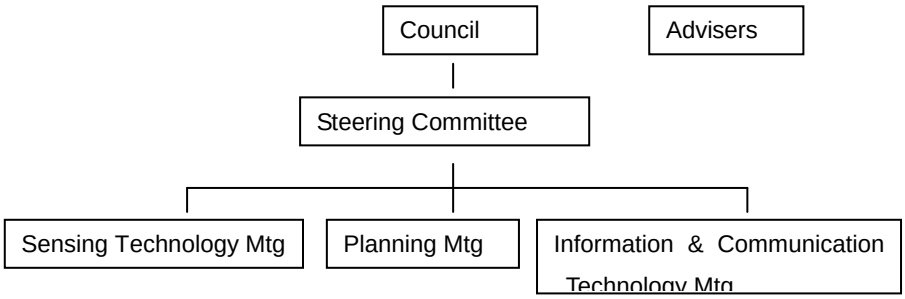
Note: Should be made by advance registration by member B.</td><td>-Participation in Forum
-Participation in working groups (with committee consent)
-Presentation of opinions on development efforts</td><td>-</td></tr>
</table>
o total number of members :
Category A members: 6, Class A' Members: 18(as of 2 Feb. 2009)
Category B members: 26, Class B' Members: 13(as of 1 April 2009)
o Names of main members and their countries
- Japan: Hitachi, Panasonic, Mitsubishi Electric, Sharp, Tokyo Electric Power, Toshiba</td></tr>
<tr><td>Cooperative Relationships (Note 6)</td><td>o MoU with IGRS (Intelligent Grouping and Resource Sharing: China) and HNA (Korea Home Network Alliance: Korea) in 2005</td></tr>
<tr><td>IPR policy (Note 7)</td><td>o available</td></tr>
<tr><td>Contact Point</td><td>o Office location(city/country)
- c/o Central Melco Corporation
3-26-33 Takanawa Minato-ku, Tokyo 108-0074 JAPAN

o URL and telephone number
- URL : http://www.echonet.gr.jp/english/index.htm
-TEL: +81-3-5447-5235, FAX: +81-3-5447-5236</td></tr>
</table>

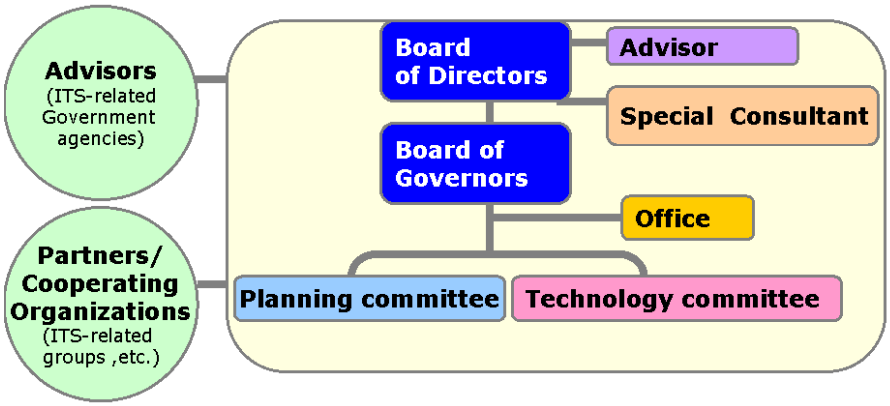
Name of Forum	ECOM (Next Generation Electronic Commerce Promotion Council of Japan)		
Active Purpose (Note 1)	others	Established Date(mm/yyyy)	04/1996
Object field (Note 2)	o Convergence services relating mainly to Electronic Commerce		
Organizational Structure			
Core Activities (Note 3)	o Mission - 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. o 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
2008 Results (Note 4)	o 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: - 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 (Note 5)	o Annual membership fee: -Board member 1,500,000 yen -Regular member A 600,000 yen -Regular member B 200,000 yen -Special member 0 yen o total number of members : Board Member: 6, Regular member A: 33, B: 56, Special Member: 3 o Names of main members and their countries - Board Members: Japan: NTT Data, Fujitsu, NEC, Hitachi, Global Friendship, Fuji Electric Holdings
Cooperative Relationships (Note 6)	o Domestic Organization - Japan Information Processing Development Cooperation (JIPDEC) - Japan Electronic Data Interchange Council (JEDIC) o Overseas Organization - China: China Electronic Commerce Association (CECA), Shanghai Electronic Commerce Association (SECA)

	- Korea: Korea e-Business Association (KOEB)
IPR policy (Note 7)	o not available
Contact Point	o Office location(city/country) - Kikai Shinko Kaikan BLDG. 3FL., 3-5-8 Shibakoen, Minato-KU, TOKYO 105-0011 JAPAN o URL and telephone number - URL : http://www.ecom.jp/en/index.html Telephone: +81-3-3436-7500 TEL : 81-3-3436-7500 FAX:+81-3-3436-7570

Name of Forum	**ICTFSS (ICT Forum for Security and Safety)**		
Active Purpose (Note 1)	Other	Established Date(mm/yyyy)	05/2007
Object field (Note 2)	o Security		
Organizational Structure			
Core Activities (Note 3)	o Mission - To construct a safe and secure world using information and communication technology by promoting its research, development, standardization, application and utilization under cooperation of government, academic and industry communities. o Work Group Characteristics and Deliverables - Sensing Technology Mtg. - Planning Mtg. - Information and Communication Technology Mtg.		
2008 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - Experiment of communications using a satellite at disaster prevention training at cities in Tokyo. - Held seminar and symposium: 06/02/2009 Disaster and Risk Management		

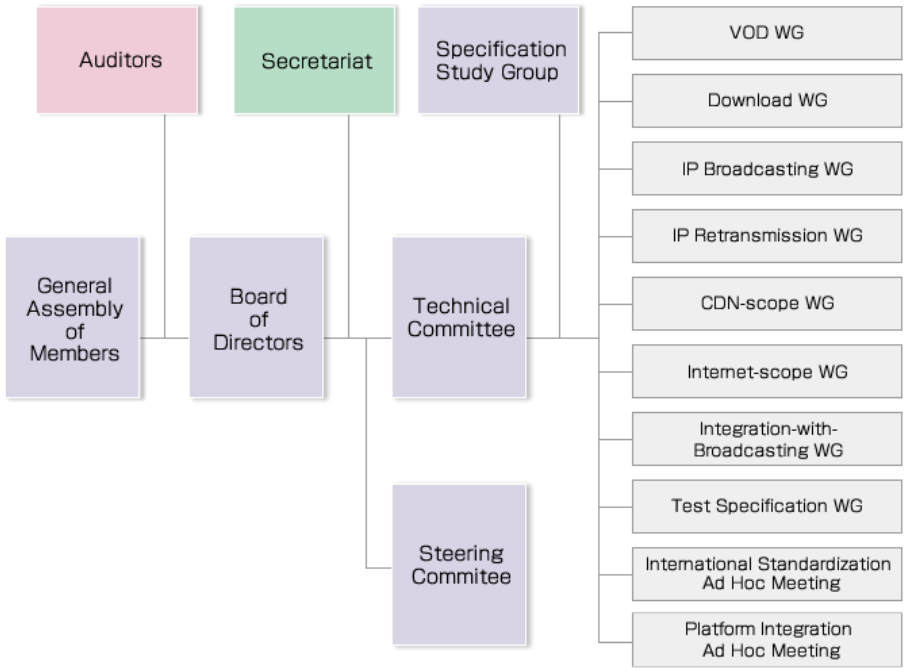
	ICT Symposium 2009 was held
Membership and Fees (Note 5)	o Annual membership fee: 100,000 yen for companies and organizations. Free for individuals. o total number of members : 141 (as of 05/11/2008) o Names of main members and their countries - Japan: NTT, NTT Data, NTT Docomo, OKI, Kajima Construction, KDDI, Zenrin, Hitachi, NEC, Fujitsu, Mitsubishi Electric, Panasonic, Toshiba, NHK
Cooperative Relationships (Note 6)	o unknown
IPR policy (Note 7)	o unavailable
Contact Point	o Office location(city/country) - ICTFSS Secretariat, c/o Supporting Center for Advanced Telecommunication Technology, Koike Building, 1-20-2, Shinjuku, Shinjuku-ku, Tokyo, 160-0022 Japan o URL and telephone number - URL : http://www.scat.or.jp/ictfss/index.html, TEL :+81-3-3351-8166

Name of Forum	Internet ITS Consortium		
Active Purpose (Note 1)	o Development of de facto standards	Established Date(mm/yyyy)	10/2002
Object field (Note 2)	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		
Organizational Structure	 http://www.internetits.org/en/top.html		

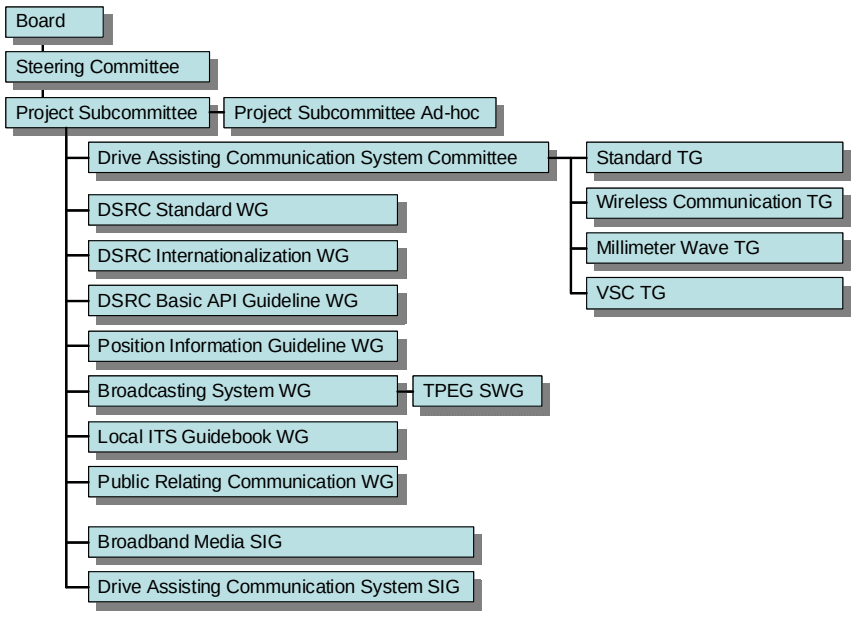
<table>
<tr><td>Core Activities
(Note 3)</td><td>o Mission
To accomplish the following objectives:
- To create a development scenario for the social infrastructure of Internet ITS
- To develop, popularize and standardize Internet ITS technology
- To incubate new business
http://www.internetits.org/en/top.html
o 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</td></tr>
<tr><td>2008 Results
(Note 4)</td><td>o Progressing and/or completed Technology Standards(specifications)
- Recent activity:
* 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</td></tr>
<tr><td>Membership and Fees
(Note 5)</td><td>o Annual membership fee:
<table><tr><td></td><td>enrollment fee</td><td>Yearly Dues</td></tr><tr><td>Executive Member</td><td>500,000 yen</td><td>10,000,000 yen</td></tr><tr><td>Regular member</td><td>500,000 yen</td><td>2,500,000 yen</td></tr><tr><td>Supporting member</td><td>200,000 yen</td><td>300,000 yen</td></tr><tr><td>Special member</td><td>Free.</td><td>Free.</td></tr></table>http://www.internetits.org/en/join/pdf/howtojoinus.pdf
o total number of members :108 organizations
o Names of main members and their countries
Japan: KDDI, Shinka Information System, NIPPON OIL, DENSO, TOYOTA MOTOR, NEC, FIJITSU, Broadleaf, Mobilecast</td></tr>
<tr><td>Cooperative Relationships
(Note 6)</td><td>O National Police Agency, Ministry of Internal Affairs and Communications, Universal Traffic Management Society of Japan, Association of Radio Industries and Businesses, WIDE Project</td></tr>
</table>

IPR policy (Note 7)	O ~~available~~ / unavailable
Contact Point	o Office location(city/country) - 1-1-1, Shinbashi, Minato-ku, Tokyo, Japan o URL and telephone number - URL : http://www.internetits.org/en/top.html TEL : +81-3-3500-3790 FAX: +81-3-3500-0005

Name of Forum	IPTVFJ (IPTV Forum Japan)		
Active Purpose (Note 1)	Development of specifications in order to implement and ensure the interoperability.	Established Date(mm/yyyy)	05/2008
Object field (Note 2)	- Information Technology relating mainly to Digital Contents		
Organizational Structure	General Assembly of Members: ➔ This consists of all members. Board of Directors: ➔ This consists of Directors Technical Committee: 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.		

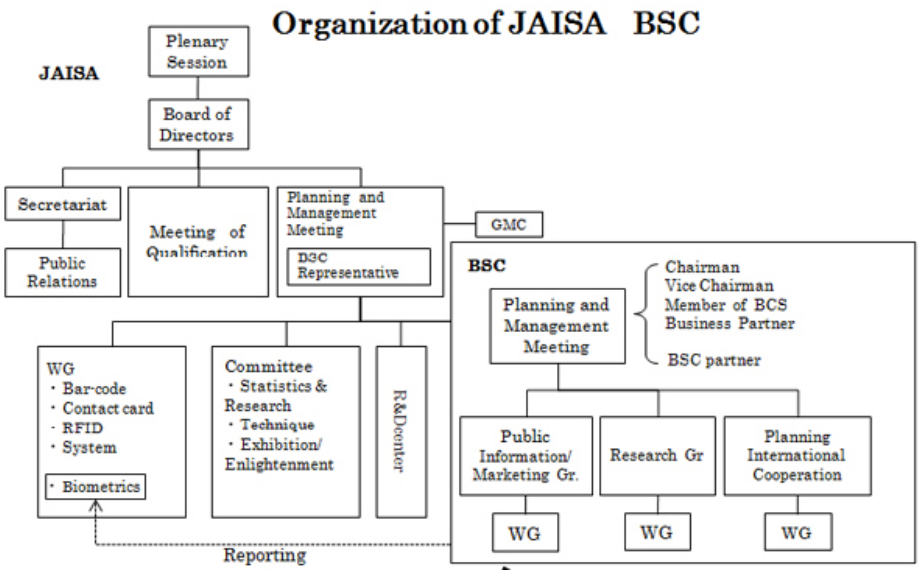
	
Core Activities (Note 3)	o Mission With a view to making IPTV services a reality and promoting their wide use, the IPTV Forum Japan (general corporate judicial person) undertakes the following activities in order to develop and maintain standards related to data transmission and reception needed to provide 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: 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - September 2008: IPTV Specifications related to BML of ARIB TR-B14/B15 - October 2008: Seminar on IPTV Specification V1.0

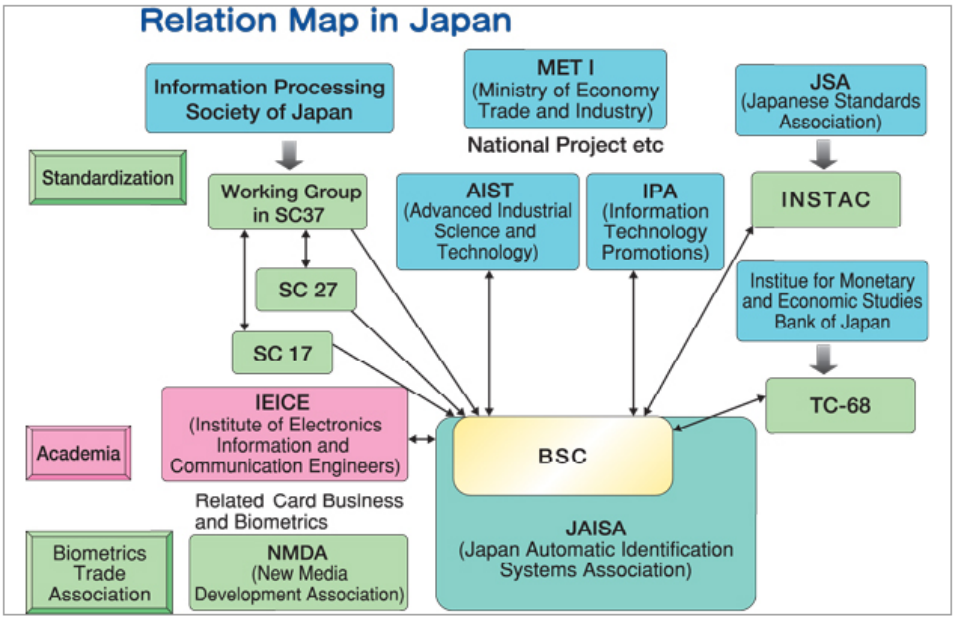
Membership and Fees (Note 5)	Three categories, Members A, Members B, and Supporting Members, the fees of which are not available. (1) Members A (15 members) (2) Members B (33 members) (3) Supporting Members (19 members)
Cooperative Relationships (Note 6)	Not available
IPR policy (Note 7)	Not available
Contact Point	o Office location(city/country) - 3F, Futaba Akasaka Bldg. 8-5-43 Akasaka, Minato-ku, Tokyo, 107-0052, Japan - sec@iptvforum.jp o URL and telephone number - URL : http://www.iptvforum.jp/index.html TEL : +81-3-5858-6685

Name of Forum	**ITS Info-communications Forum**		
Active Purpose (Note 1)	Others	Established Date(mm/yyyy)	07/1999
Object field (Note 2)	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		
Organizational Structure			

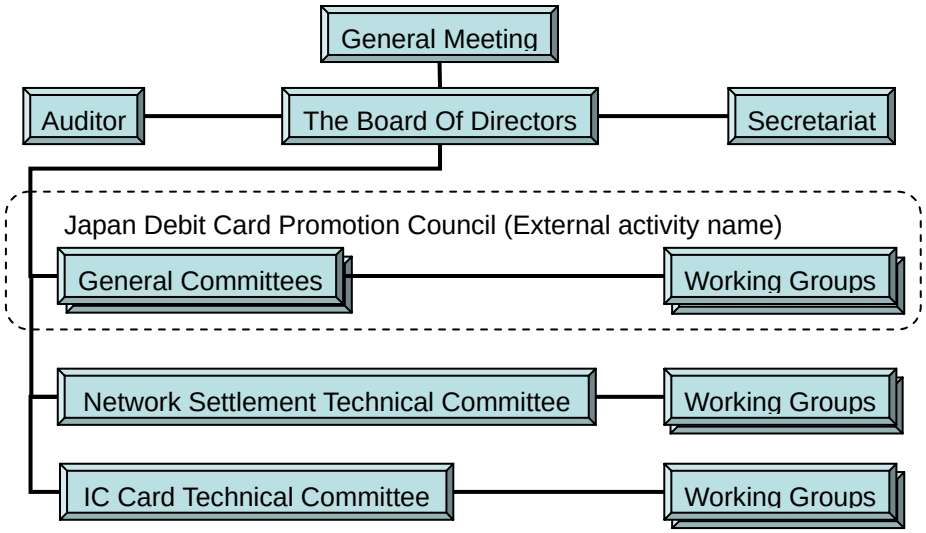
Core Activities (Note 3)	o Mission - To realize ITS information communication system, the forum contributes to promote R&D, to investigate standard, to collect information, to enhance the promotion. o Work Group Characteristics and Deliverables - R&D subcommittee promotes standard and R&D. - Investigation subcommittee enhances promotion and investigates standards.
2008 Results (Note 4)	o Progressing and/or completed Technology Standards (specifications) - Feb. 2008: Ubiquitous ITS symposium
Membership and Fees (Note 5)	o Annual membership fee: - Regular members: 100,000 yen - Individual members: free (needs the approval of Steering Committee) o total number of members : 110 o Names of main members and their countries - Japan: Toyota, Panasonic Mobile Communications, Hitachi, Mitsubishi Electric,
Cooperative Relationships (Note 6)	o 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 (Note 7)	o Not available
Contact Point	o Office location(city/country) - Nittochi Bldg. 11F, 1-4-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-0013, Japan o URL and telephone number - URL : http://www.itsforum.gr.jp/E_index.html -TEL : +81-3-5510-8662

Name of	**JAISA BSC (Japan Automatic Identification System Association/**

Forum	**Biometrics Security Consortium) Committee**		
Active Purpose (Note 1)	Other	Established Date(mm/yyyy)	06/2003
Object field (Note 2)	o Security		
Organizational Structure			
Core Activities (Note 3)	o Mission - 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. o Work Group Characteristics and Deliverables - guidebooks, textbooks		
2008 Results (Note 4)	o 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) was held. - 25/Aug./2008 The Asian Biometrics Consortium was held.		

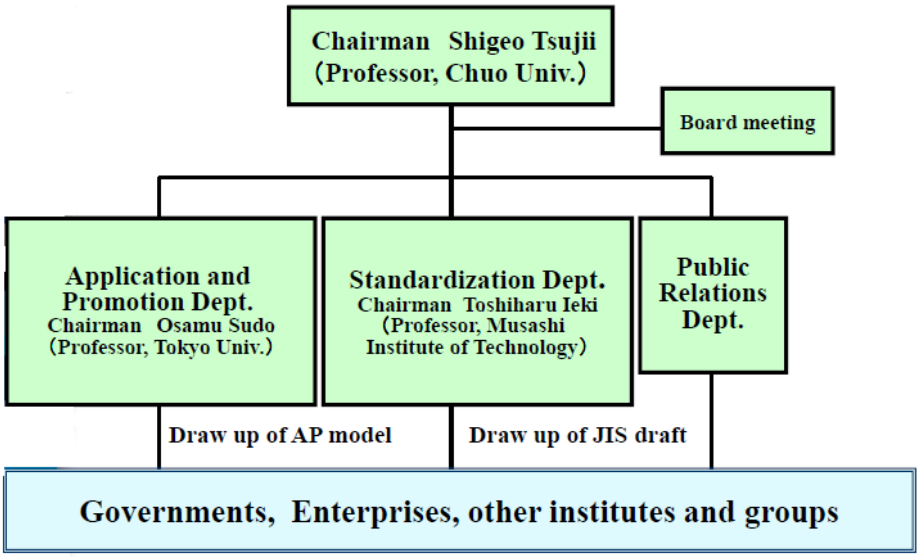
Membership and Fees (Note 5)	o Annual membership fee: Not available o total number of members : 13 o Names of main members and their countries - Japan: Hitachi, SECOM, Fujitsu, NEC, Hitachi High-Technologies, Toppan Printing, NTT Data, Hitachi Information & Control Solutions, JCB, Mizuho Bank, Konica Minolta Medical & Graphic, Hitachi-Omron Terminal Solutions, Denso Wave
Cooperative Relationships (Note 6)	 
IPR policy (Note 7)	o Not available
Contact Point	o Office location(city/country) - FK Bldg.1-9-5 ,Iwamoto-cho, Chiyoda-ku ,Tokyo 101-0032 Japan

	o URL and telephone number - URL : http://www.bsc-japan.com/en/index.html , TEL : +81-50-8864-1689

Name of Forum	**JEPPO (Japan Electronic Payment Promotion Organization)**		
Active Purpose (Note 1)	others	Established Date(mm/yyyy)	05/2005
Object field (Note 2)	o Convergence services relating mainly to Electronic Commerce		
Organizational Structure	Organization of JEPPO  		
Core Activities (Note 3)	o Mission - Spread of business that relates to electronic settlement and achievement of cashless society. - Spread promotion of David card. - 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 core. o Work Group Characteristics and Deliverables - General Committees : ・ Execution of opinion exchange of government office, financial institution, and other group 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 display debit card business or the member store and execution of the management.		

2008 Results (Note 4)	- Network Settlement Technical Committee : ・ 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 relating law. - IC Card Technical Committee : ・ Approach and case study of infrastructure maintenance for IC card spread. ・ Making of manual concerning revision of Radio Law. ・ IC card spread activity for user and member store.
	o Progressing and/or completed Technology Standards (specifications) - General Committees : ・ The campaign to gain by using the J-Debit card was held. ・ The campaign to expand the member store of the J-Debit card was held. - Network Settlement Technical Committee : Unknown - IC Card Technical Committee : Unknown
Membership and Fees (Note 5)	o 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 6,000,000 yen to 9,000,000 yen ・ Annual membership fee: from 3,000,000 yen from 8,000,000 yen - Network Settlement Technical Committee: Unknown - IC Card Technical Committee : Unknown o Total number of members : 2863 - General Committees : 2469 - Network Settlement Technical Committee : 128 - IC Card Technical Committee : 266 o Names of main members and their countries : Unknown
Cooperative Relationships (Note 6)	o SETCo (Secure Electronic Transaction LLC of USA)
IPR policy (Note 7)	o Unavailable
Contact Point	o Office location(city/country) - NTTDATA Ohtemachi Bldg10F, 2-2, Ohtemachi 2-Chome, Chiyoda-ku, Tokyo, 100-0004 Japan o URL and telephone number

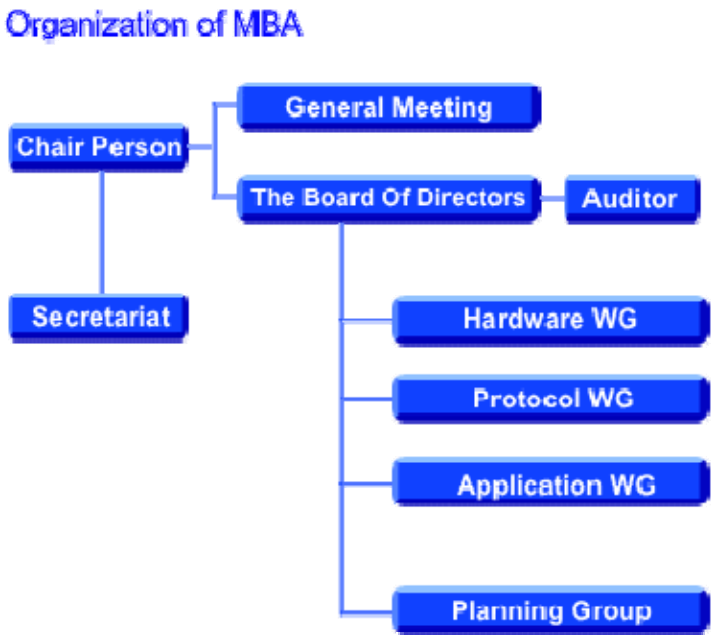
	- URL : http://www.jeppo.gr.jp/ TEL : +81-3-3510-0626

Name of Forum	**JICSAP (Japan IC Card System Application council)**		
Active Purpose (Note 1)	others	Established Date(mm/yyyy)	03/1993
Object field (Note 2)	o Convergence services relating mainly to Electronic Commerce		
Organizational Structure			
Core Activities (Note 3)	o Mission - To built advanced social system by using IC card system. - Information exchanges between members - Investigation, research, demonstration experiment of business model - To spread and enlightenment of IC card system - Standardization and certification of IC card system,		
2008 Results (Note 4)	o Progressing and/or completed Technology Standards (specifications) - 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 Apr. 2009		

Membership and Fees (Note 5)	o Annual membership fee: 300,000 yen (Admission fee : 300,000 yen) o total number of members : 44 o Names of main members and their countries - Japan: Institute of Information Security, Tokyo Institute of Technology Toppan Printing, JR East Mechatronics, SHARP, Dai Nippon Printing, SONY, NTT Data
Cooperative Relationships (Note 6)	o the Next generation IC Card System Study group (NICSS) o Telecommunications Carriers Association (TCA) o Next Generation Electronic Commerce Promotion Council of Japan (ECOM) o The International Card Manufacturers Association (ICMA) o Smart Card Alliance
IPR policy (Note 7)	o unavailable
Contact Point	o Office location(city/country) - Chiyoda Platform Square 2F, 3-21, Kanda-Nishiki-chou, Chiyoda-ku, Tokyo, 101-0054, JAPAN o URL and telephone number - URL : http://www.jicsap.com/english_home.html, TEL : +81-3-5259-8296

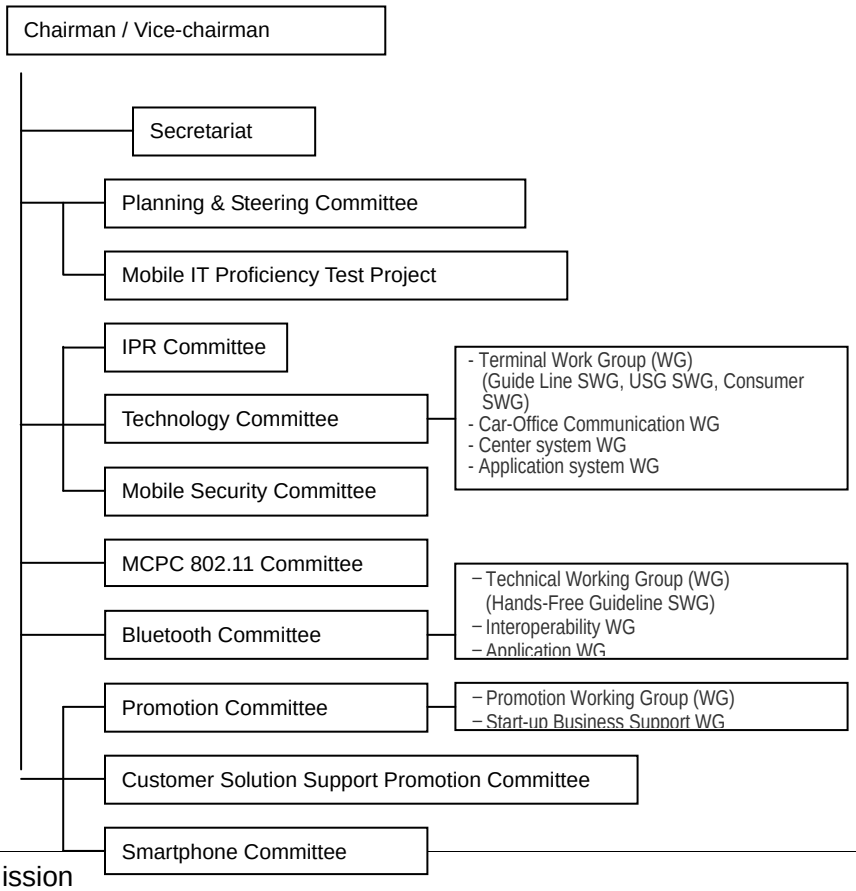
Name of Forum	**Marlin-DRM Users Forum Japan**		
Active Purpose (Note 1)	Other	Established Date(mm/yyyy)	05/2007
Object field (Note 2)	o Digital Contents		
Organizational Structure	Unknown		

Core Activities (Note 3)	o Mission - 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. o Work Group Characteristics and Deliverables Not available - 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 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 (Note 5)	o Annual membership fee: free Membership of this forum is open for any corporations who consider commercial business using Marlin-DRM. o total number of members : 50 o Names of main members and their countries Japan: Actvila, Hitachi, KDDI, NTT, Panasonic, Sharp, Sony, TOSHIBA
Cooperative Relationships (Note 6)	o Marlin Trust Management Organization (MTMO)
IPR policy (Note 7)	o Not available
Contact Point	o Office location(city/country) Not available o URL and telephone number - URL : http://www.marlinusers-japan.org/index-e.html , TEL : Not available

Name of Forum	**MBA (Mobile Broadband Association)**		
Active Purpose (Note 1)	development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	12/2008
Object field (Note 2)	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			
	o Mission - 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.		
Core Activities (Note 3)	o Work Group Characteristics and Deliverables - 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 public in general so that anybody		

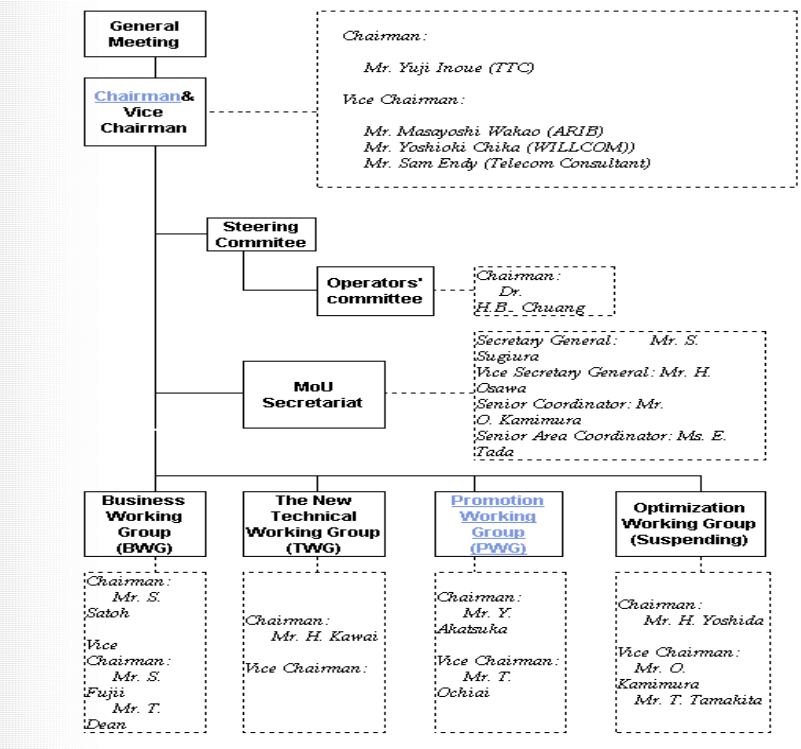
	can utilize it. - Application WG: Application WG investigates practicing from all the aspects and researches various methods and problems to use the mobile broadband.
2008 Results (Note 4)	o Progressing and/or completed Technology Standards (specifications) - Holding of IEEE802.11 Interim debriefing 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 (Note 5)	o Annual membership fee: - Regular member: In the group that does a mobile broadband business and the related business, there is a right to vote. annual membership fee: 120,000 yen - Support member: There is no right to vote though there is right to remark. annual membership fee: 60,000 yen - Individual member: There is no right to vote though there is right to remark. annual membership fee: free o total number of members: 14 o Names of main members and their countries - Japan: ICOM , Kyocera , SANYO Electric, JIN Office Service, Softbank BB, Nippon Antenna, Pioneer, Institute for Hyper Network Society, Hitachi, Panasonic, WIT, ROOT
Cooperative Relationships (Note 6)	o Unknown
IPR policy (Note 7)	o available
Contact Point	o Office location(city/country) - Nihonbashi-Kobunachou, Chuou-Ku, Tokyo, JAPAN o URL and telephone number - URL : http://www.mobile-broadband.org/e-main.html , TEL : +81-3-5641-1088 , E-mail : infodesk@mobile-broadband.org

Name of Forum	MCPC (Mobile Computing Promotion Consortium)		
Active Purpose (Note 1)	Development of specifications in order to implement and ensure the	Established Date(mm/yyyy)	06/1997

	interoperability		
Object field (Note 2)	o Convergence Infrastructure relating to Mobile Communication		
Organizational Structure			
Core Activities (Note 3)	o Mission - 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 hard ware/software, system integrators (including service providers), and the media. - They must 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 have excellent relation with PCCA in US. o Work Group Characteristics and Deliverables 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
2008 Results (Note 4)	o 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 o Workshops held - 25/July/2008 23rd Bluetooth Interoperability Test WS - 21/Nov./2008 24th Bluetooth Interoperability Test WS
Membership and Fees (Note 5)	o Annual membership fee: Founding Member: 2,100,000 yen; Ordinary Member: 525,000 yen; Affiliate Member: 105,000 yen o total number of members : 170 (163 Japanese) o 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 (Note 6)	o Mutual registration of membership with PCCA (Portable Computer & Communications Association) of USA
IPR policy (Note 7)	o Available at http://www.mcpc-jp.org/profile/ip.htm
Contact Point	o Office location(city/country) - Shibakoen Sanada Building 2F, 3-5-12, Shibakoen, Minato-ku, Tokyo, Japan o URL and telephone number - URL : http://www.mcpc-jp.org/index_e.htm , TEL : +81-3-5401-1935

Name of Forum	**PHS MoU (Personal Handyphone System Memorandum of Understanding Group)**		
Active Purpose (Note 1)	others	Established Date(mm/yyyy)	07/1996

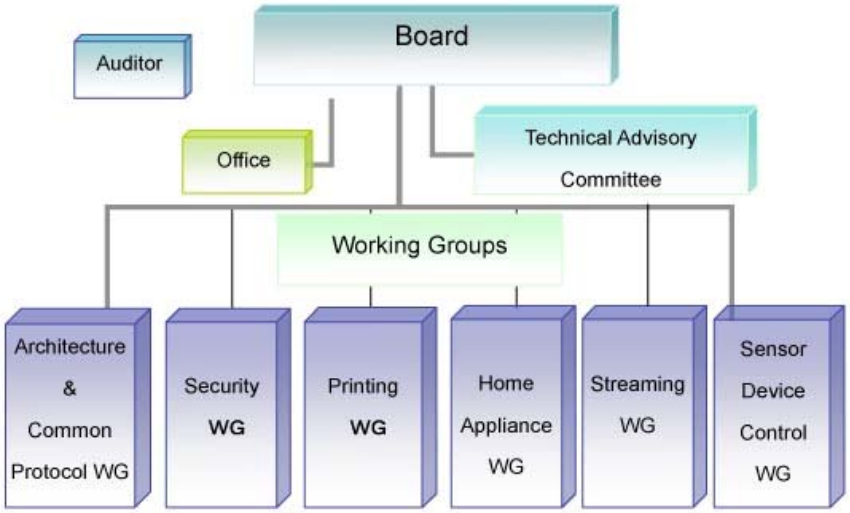
Object field (Note 2)	o Convergence Infrastructure relating to Mobile Communication
Organizational Structure	
Core Activities (Note 3)	o Mission The PHS MoU Group is dedicated to the diffusion of PHS wireless technology worldwide. The Objective is to introduce, operate and spread the PHS on a world-wide basis and thereby to contribute to the improved convenience of telecommunications users and to the consequential benefit of the people in the world. - Elaboration of technical specifications relating to PHS - Development of PHS services - Promotions, and promotion campaigns relating 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 o Work Group Characteristics and Deliverables - Business WG : To survey the market, to propose the methods. - Technical WG : To promote and diffuse PHS service. - 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 (Note 4)	o 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
Membership and Fees (Note 5)	o Annual membership fee: Signatory Members Steering Committee membership ： 900,000 yen Other : 300,000 yen or 600,000 yen Telecommunication Authority and Public Organization Members : non o total number of members : 63 o Names of main members and their countries - Australia : ACA - Indonesia: DGPT - Japan: MIC,ARIB,TELEC,TTC,,Hitachi , KYOCERA, WillCOM - Singapore: IDA - Thailand : NECTEC,
Cooperative Relationships (Note 6)	o Ministry of Internal Affairs and Communications (MIC) o Association of Radio Industries and Businesses (ARIB) o Telecom Engineering Center (TELEC) o The Telecommunication Technology Committee of Japan (TTC)
IPR policy (Note 7)	o available
Contact Point	o Office location(city/country) - Nittochi Bldg 11F, 1-4-1, Kasumigaseki, Chiyoda-ku, Tokyo, 100-0013, JAPAN o URL and telephone number - URL : http://www.phsmou.org/ TEL : +81-3-5510-8599

Name of Forum	**POF (**Plastic Optical Fiber Consortium)		
Active Purpose (Note 1)	Pre-standardization Activities	Established Date(mm/yyyy)	02/1994
Object field (Note 2)	o Broad Convergence Network		

Organizational Structure	Board and Planning Committee (further details are not available)
Core Activities (Note 3)	o Mission - To develop technology of plastic optical fiber and to promote its wide application. - To hold conferences o Work Group Characteristics and Deliverables
2008 Results (Note 4)	o Progressing and/or completed Technology Standards (specifications) - To hold POF Consortium meetings and seminars, - To attend POF2008 International meeting. -
Membership and Fees (Note 5)	o Annual membership fee: Organization members / Individual members Enter fee 250,000 yen, Annual fee 100,000 yen (free for first year) o total number of members : 36 o Names of main members and their countries - Fuji Xerox, NTT Advance Technology, Asahi Glass, Mitsubishi Trading …11 companies. all Japanese.
Cooperative Relationships (Note 6)	o Unknown
IPR policy (Note 7)	o Unavailable
Contact Point	o Office location(city/country) - POF Consortium Secretariat, c/o Koike Laboratory, College of Science and Engineering, Keio University, 3-14-1, Hiyoshi, Kouhoku-Ku, Yokohama, 223-8522 Japan o URL and telephone number - URL : http://www.pof-con.org/, TEL :+81-45-566-1598

Name of Forum	PUCC (Peer to Peer Universal Computing Consortium)		
Active Purpose (Note 1)	Others	Established Date(mm/yyyy)	12/2004

Object field (Note 2)	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc
Organizational Structure	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 their 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 bay TAC. The members of TAC are appointed by the board of Directors. 
Core Activities (Note 3)	o 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 (8) Conduct research and hold workshops about developments of information communication technologies. (9) Conduct activities other than

2008 Results (Note 4)	o Progressing and/or completed Technology Standards(specifications) - May 2008: PUCC/JETRO Seminar - May 2008: PUCC Achievements Report - March 2008: Participation to NG Home-network testbed - January 2008: Exhibition at CES2008 (@Las Vegas)
Membership and Fees (Note 5)	The members of the Corporation shall be divided into three types: Regular Members, Supporting Members, and Special Members. Regular Members: 1,000,000 yen (not including consumption tax) ➔ Japan: Allied Resources Communications, NTT DoCoMo, Sharp, Fuji Soft, Hitachi, Willcom, NEC Supporting Members: 500,000 yen (not including consumption tax) ➔ Japan:, Seiko Epson, Aplix, Toshiba Home Appliances, NEC TOKIN, Transvirtual, NSR, Hiro Tech Sweden: Nippon Ericsson Special Members: 0 yen ➔ Eight universities and one organisation
Cooperative Relationships (Note 6)	Not available
IPR policy (Note 7)	Not available
Contact Point	o Office location(city/country) - 1-5-15 Kyobashi, Tomoegawaseishi Bldg., Tokyo 104-8335 JAPAN - office@pucc.jp o URL and telephone number - URL : http://www.pucc.jp/PUCC/English/ToIndexEn.action TEL : +81-3-3275-1071

Name of Forum	T-E (T-Engine)		
Active Purpose (Note 1)	o development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	06/2002
Object field (Note 2)	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc		

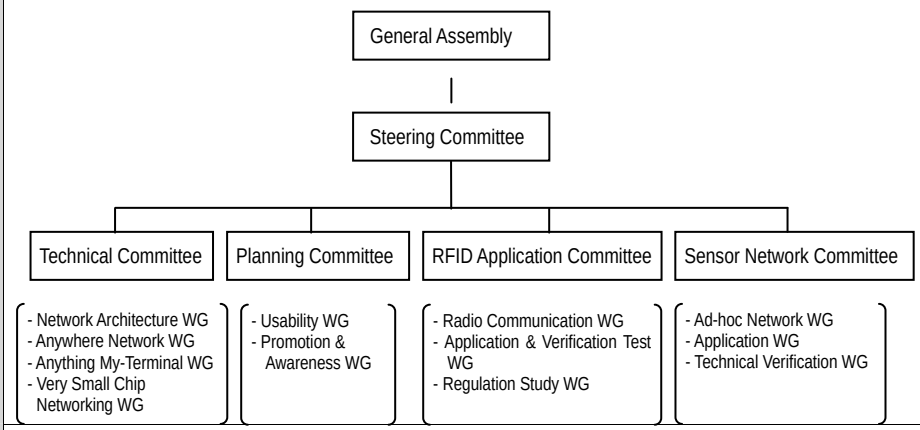
Organizational Structure	1. Committees The committees are equivalent to the working groups' parent groups. Regular meetings are held on a monthly basis in principle to discuss policies for standardization, etc, authorize standards and guidelines, explain the trends of related technologies, and report discussions and work progress in the working groups. (1) T-Engine Platform Committee [TE-CO] (2) Ubiquitous Committee [UB-CO] 2. Working groups Working groups are set up as departments that do the specific work according to the policies decided at 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
Core Activities (Note 3)	o 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. o Work Group Characteristics and Deliverables (1) T-Engine Platform Committee [TE-CO] - Conducts activities related to all aspects of T-Engine, such as hardware, OS, middleware and others. (2) Ubiquitous Committee [UB-CO] - 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. http://www.t-engine.org/english/outline.html
2008 Results (Note 4)	o Progressing and/or completed Technology Standards (specifications) -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) - Press release: * 09. May, 2008 "TRON Engineer Certification Examination" Registration Started
Membership and Fees (Note 5)	o Annual membership fee: **Board members** : A members more than three shares **A members** : one share 1, 000, 000 yen/year (please pay more than one share) **B members** : one share 100, 000 yen/year (please pay more than one share) **e members** : one share 100, 000 yen/year (please pay more than one share) **Academic members** : Free/year http://www.t-engine.org/english/admission.html o total number of members :390 organizations o Names of main members and their countries 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
Cooperative Relationships (Note 6)	O 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 (Note 7)	O available / ~~unavailable~~
Contact Point	o Office location(city/country) - c/o YRP Ubiquitous Networking Laboratory The 28th Kowa Building 2-20-1 Nishigotanda, Shinagawa Ward, Tokyo 141-0031

	Japan o URL and telephone number - URL : http://www.t-engine.org/index.html TEL : +81-3-5437-0572 FAX: +81-3-5437-2399

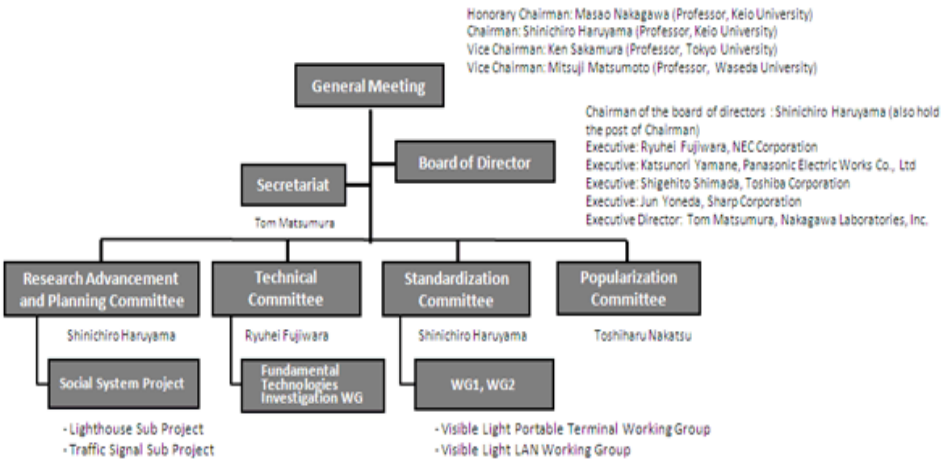
Name of Forum	TransferJ (TransferJet Consortium)		
Active Purpose (Note 1)	development of "de facto" standards	Established Date(mm/yyyy)	07/2008
Object field (Note 2)	o Convergence Infrastructure relating mainly to Broad Convergence Network		
Organizational Structure	- unknown		
Core Activities (Note 3)	o 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 (Note 4)	o Progressing and/or completed Technology Standards(specifications) - 17, July, 2008 Press release of the launch of TransferJet Consortium		
Membership and Fees (Note 5)	o Annual membership fee: - Promoter Members : unknown - Adopter Members : annual dues : 240,000 yen o total number of members : - Promoter Members :19 Adopter Members : From May 2009, the consortium is accepting applications for Adopter membership o Names of main members and their countries - 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 (Note 6)	o unknown
IPR policy (Note 7)	o unavailable
Contact Point	o Office location(city/country) - TransferJet Consortium c/o Sony Corporation 1-7-1 Konan Minato-ku, Tokyo Japan o URL and telephone number - URL : http://www.transferjet.org/ TEL :

Name of Forum	UbiqNET (Ubiquitous Networking Forum)		
Active Purpose (Note 1)	Development of specifications in order to implement and ensure the interoperability	Established Date(mm/yyyy)	06/2002
Object field (Note 2)	o Convergence services relating mainly to u-Computing Including Home-networking, Intelligent Transport System and PC etc.		
Organizational Structure			
Core Activities (Note 3)	o Mission - To realize in near future the Ubiquitous Network, a network with high capability of connectivity for terminals of any kind at anytime and anywhere, the forum contribute to develop sound ICT society through the following activities; (1) R&D and standardization on the Ubiquitous Network (UN) (2) Investigation and study on the UN (3) Collection, exchange and sharing of information on the UN (4) Cooperation with other organizations on the UN (5) Promotion and awareness on the UN (6) other businesses necessary to achieve objectives		

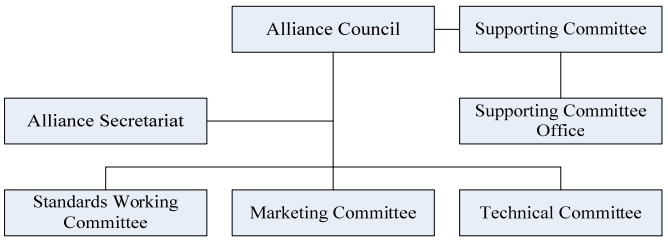
2008 Results (Note 4)	o Steering Committee met four times and Technical and Planning Committees met bimonthly basis. Events held; - 18/June/2008 Ubiquitous Networking Forum Symposium 2008 - 8/Feb./2008 Ubiquitous Sensor Network Symposium 2008 - 29/Nov./2007 Ubiquitous Networking Forum Symposium 2007 - 30/Nov./2007 The 3rd Korea-Japan Symposium on Ubiquitous IT System (KJUS2007)
Membership and Fees (Note 5)	o Annual membership fee: ordinary members: 200,000 yen; individual members: 0 yen; special members: 0 yen o total number of members : 86 (84 Japanese) o 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 (Note 6)	o The following organizations have membership of special members:, ARIB, NiCT, TTC and Ubiquitous IT Korea Forum
IPR policy (Note 7)	o Not available
Contact Point	o 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 o URL and telephone number - URL : http://www.ubiquitous-forum.jp/ , TEL : +81-3-5776-7795

Name of Forum	VLCC (Visible Light Communication Consortium)		
Active Purpose (Note 1)	o development of pre-standards	Established Date(mm/yyyy)	11/2003

Object field (Note 2)	o Convergence Infrastructure relating mainly to Broad Convergence Network
Organizational Structure	**Organization**  http://www.vlcc.net/modules/pico6/index.php?content_id=1
Core Activities (Note 3)	o Mission Exploring the potential of visible light communications, inviting companies to participate and contribute to 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. http://www.vlcc.net/modules/pico6/index.php?content_id=4 o Work Group Characteristics and Deliverables + Research Advancement and Planning Committee The Research Advancement and Planning Committee performs 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 for 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 investigation and the marketing research for that purpose. http://www.vlcc.net/modules/pico6/index.php?content_id=1
2008 Results (Note 4)	o 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
Membership and Fees (Note 5)	o Annual membership fee: - General member 1,000,000 yen/year - Venture member 300,000 yen/year o total number of members :26 organizations o Names of main members and their countries - Japan: THE TOKYO ELECTRIC POWER, NEC, KDDI R&D Laboratories, Panasonic Electric Works, THE NIPPON SIGNAL, TOSHIBA, JAPAN RURAL INFORMATION SYSYTEM 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 (Note 6)	O IrDA (Infrared Data Association, USA) , ICSA (Infrared Communication Systems Association, USA)
IPR policy (Note 7)	O available / ~~unavailable~~
Contact Point	o Office location(city/country) - Department of Engineering, Keio University Shin-Kawasaki town campus

	Shin-Kawasaki 7-1, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0032, Japan o URL and telephone number - URL : http://www.vlcc.net/ TEL : +81-44-580-1562 FAX: +81-44-580-1432

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(mm/yyyy)	4/2005
Object field	o Information Technology relating mainly to u-Infra SW		
Organizational Structure			
Core Activities	o Mission - Preparation of standards - Market promotion - Development of technology o Work Group Characteristics and Deliverables - Standards Working Committee and Technical Committee: develop the stan dards and technology of Open Standards Platform Software.		
2007 Results	o Progressing and/or completed Technology Standards(specifications) In OCT, 2007, CFA held 2007 Beijing International Congress of Open Standards.		
Membership and Fees	o CFA welcomes domestic and foreign enterprises and institutions who Has been involved with research, development, manufacturing or service of platform software industry related technology. to join the alliance. o annual dues:100,000 RMB o total number of members:61 o Names of main members and their countries - Digital China,Taiji Computer, Kingsoft, Click Tech, Red Flag Software Co., Ltd ,etc. China		
Cooperative Relationships	o Cooperate with Organization for the Advancement of Structured Information Standards (OASIS , USA)		
IPR policy	o ~~available~~ / unavailable		
Contact Point	o Office location(city/country) - USA o URL and telephone number - URL: http://www.acm.org/, TEL: +1 212 869-7440		

Name of Forum	Association for Computing Machinery		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	1947
Object field	educational and scientific computing society, delivers resources that advance computing as a science and a profession		
Organizational Structure			
Core Activities	- Publication - Digital Library - Education - Online books & courses - Special interest groups		
2007 Results	o ACM International Colleglate Programming contest, 2007 o The First International Workshop on Security for Mobile Wireless Communications,Bangalore , India		
Membership and Fees	o More than 75,000 memberships, including professionals and students o Professional Membership: $99 (USD) o Student Transition (Professional) Membership: $49 (USD) o Student Transition Subscription to ACM Digital Library: $50 (USD) o Student Membership (includes online access to CACM): $19 (USD) o Student Membership PLUS Digital Library: $42 (USD) o Student Membership PLUS Print CACM Magazine : $42 (USD) o Student Membership PLUS Digital Library PLUS Print CACM Magazine: $62 (USD) o Retired Members: $74 (USD) o Personal Financial Hardship: $50 (USD) o Joint Society Membership (member of IEEE-CS): $94 (USD) o Subscription to ACM Digital Library: $99 (USD) o Joint Society Membership (member of the following societies): $79 (USD)		
Cooperative Relationships	o		
IPR policy	o ~~available~~ / unavailable		

Contact Point	o Office location(city/country) - USA o URL and telephone number - URL: http://www.acm.org/, TEL: +1 212 869-7440

Name of Forum	Association for Computing Machinery		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	1947
Object field	Radio systems in the field of telecommunication and broadcasting		
Organizational Structure			
Core Activities	- Publication - Digital Library - Education - Online books & courses - Special interest groups		
2007 Results	o ACM International Colleglate Programming contest, 2007 o The First International Workshop on Security for Mobile Wireless Communications,Bangalore , India		
Membership and Fees	o More than 75,000 memberships, including professionals and students o Professional Membership: $99 (USD) o Student Transition (Professional) Membership: $49 (USD) o Student Transition Subscription to ACM Digital Library: $50 (USD) o Student Membership (includes online access to CACM): $19 (USD) o Student Membership PLUS Digital Library: $42 (USD) o Student Membership PLUS Print CACM Magazine : $42 (USD) o Student Membership PLUS Digital Library PLUS Print CACM Magazine: $62 (USD) o Retired Members: $74 (USD) o Personal Financial Hardship: $50 (USD) o Joint Society Membership (member of IEEE-CS): $94 (USD) o Subscription to ACM Digital Library: $99 (USD) o Joint Society Membership (member of the following societies): $79 (USD)		
Cooperative Relationships	o		
IPR policy	o ~~available~~ / unavailable		
Contact Point	o Office location(city/country) - USA		

	o URL and telephone number - URL: http://www.acm.org/, TEL: +1 212 869-7440

Name of Forum	CDMA Certification Forum		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	05/1995
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	1. CDMA CERTIFICATION FORUM (CCF) TO SHOWCASE COMPELLING NEW CERTIFICATION PROCESS AT CTIA WIRELESS 2007 SHOW full story. 2007.3 2. Faster Time to Market at Lower Cost with Increased Test Coverage Highlight CCF Test Platform Results. 2007.3		
Membership and Fees	50 memberships, including Aeroflex, Alcatel-Lucent, Anritsu, AnyDATA.NET Inc, Huawei, Spirent, etc.		

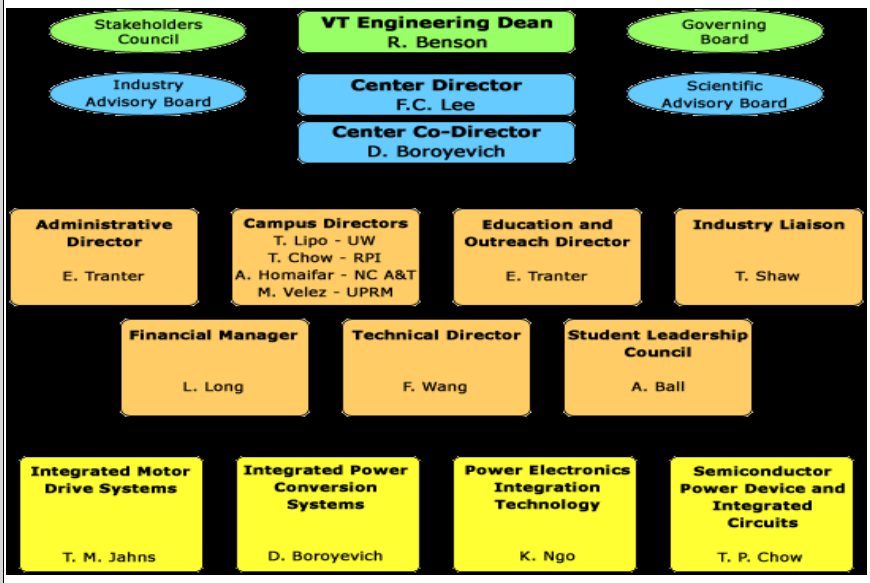
Annual Member Type	Membership Classification	Annual CDMA Revenue Requirement - with gross CDMA (only) annual revenue of:	Membership Fee in USD ($) Revenue
Large Vendor Member	Statutory Vendor (Voting)	>= US$500,000,000.00	41,000.00
Small Vendor Member	Statutory Vendor (Voting)	< US$500,000,000.00	10,000.00
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

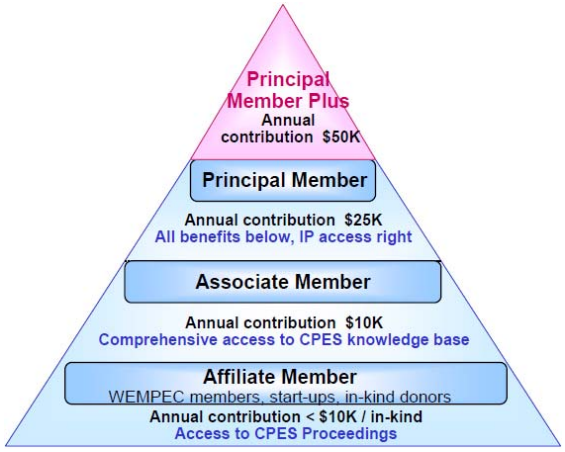
Cooperative Relationships	Cooperate with CDMA operators and CDMA device vendors.
IPR policy	o ~~available~~ / unavailable
Contact Point	o URL and telephone number - URL: http://www.globalccf.org

	o Corporate - Thom Erickson - President and CEO - terickson@globalccf.org

Name of Forum	Content Management License Administrator (CMLA)		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	02/2004
Object field	Open Mobile Alliance (OMA) Digital Rights Management (DRM) version 2.0 (and, as updated)		
Organizational Structure			
Core Activities	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.		
2007 Results	1. 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. 2. 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	o ~~available~~ / unavailable		
Contact Point	o URL - URL: www.cm-la.com o For those interested in a regional contact, please select one of the following:		

	* 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

Name of Forum	CPES-Center for Power Electronics System		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	08/1998
Object field	power electronics technologies		
Organizational Structure			
Core Activities	1. Research 2. Industry Collaboration 3. Education & Outreach 4. Publications		
2007 Results	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		

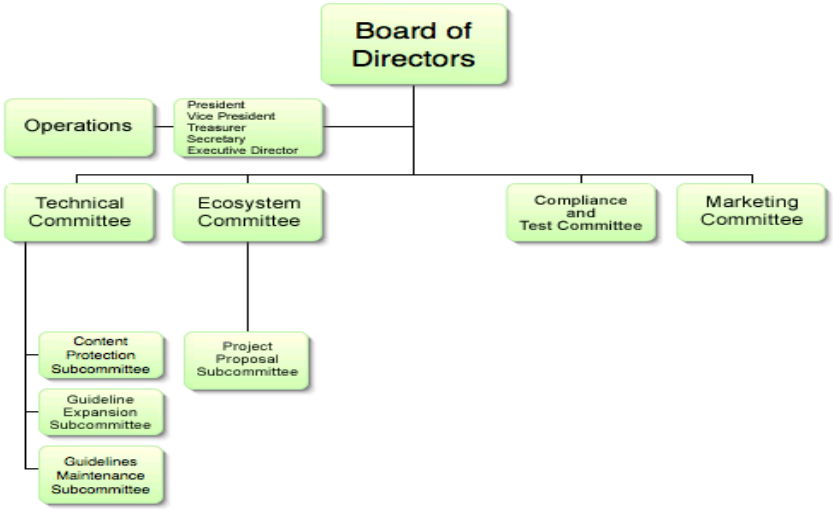
Membership and Fees	
Cooperative Relationships	Cooperate with NASA, TACOM, NSF, AIST, CIT, AFOSR, etc.
IPR policy	o ~~available~~ / unavailable
Contact Point	o URL and telephone number - URL: http://www.cpes.vt.edu/ Virginia Tech, 655 Whittemore Hall (0179), Blacksburg, VA 24061 University of Wisconsin-Madison, 1415 Engineering Drive #2559D, Madison, WI 53706-1691

Name of Forum	Digital Content Protection, LLC		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	
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.		

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	o ~~available~~ / unavailable
Contact Point	o URL and telephone number -URL: Digital Content Protection, LLC Email: info@digital-cp.comMail: Digital Content Protection, LLC 3855 SW 153rd Drive Beaverton, OR 97006

Name of Forum	digital power forum		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	09/2004
Object field	embedded power conversion		
Organizational Structure			
Core Activities	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	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		

	7. Procurement engineers 8. Research and development professionals 9. Industry analysts
Cooperative Relationships	Cooperate with intel, ericsson, ibm, infineon, emerson, etc..
IPR policy	o ~~available~~ / unavailable
Contact Point	o 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(mm/yyyy)	2003
Object field	digital living		
Organizational Structure			
Core Activities	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	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, wox, erisson, cisco, hp, huawei, intel etc.		

Cooperative Relationships	
IPR policy	o ~~available~~ / unavailable
Contact Point	o URL and telephone number -URL: http://www.dlna.org -Tel: +1 503.619.0422 o DLNA Administration o C/O VTM Attn: Membership Services o 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(mm/yyyy)	
Object field	web-based information management tool		
Organizational Structure			
Core Activities	E-TASCl 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	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. 1. Partial Subscribers Annual fee based on the number of facilities registered. Fee varies by number of facilities. Annual fee per facility: $470 ($US) 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:		

	<table><tr><th>Annual revenue ($US)</th><th>Fee ($US)</th></tr><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></table>
Cooperative Relationships	Cooperate with GeSI, EICC, etc.
IPR policy	o ~~available~~ / unavailable
Contact Point	o URL and telephone number URL: www.e-tasc.com Tel: +44 (0)1235 838161 Fax: +44 (0)1235 838096 o Address: Achilles 30 Park Gate Milton Park Abingdon Oxon OX14 4SH UK

Name of Forum	femtocell forum		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	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	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. 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 licenced holders of spectrum. We have a secretariat that looks after enquiries, membership and the administration of the organisation.		
Core Activities	1. Standardisation, regulation & interoperability 2. Marketing & promotion		
2007 Results	As a result of our major membership announcement at the beginning of the month, we've received some extremely high profile membership applications - details a little later - plus a flood of general enquires, including an additional		

	200 plus newsletter signups 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	o ~~available~~ / unavailable
Contact Point	o URL and telephone number URL: http://www.femtoforum.org/ Tel: +44 (0)8456445823 Fax: +44 (0)8456445824 o PO Box 23 GL11 5WA UK

Name of Forum	Fixed-Mobile Convergence Alliance		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	
Object field	The Fixed-Mobile Convergence Alliance (FMCA) is a global, non-profit organisation 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.		
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	o ~~available~~ / unavailable		
Contact Point	o URL URL: www.thefmca.com o Email: andrew.haworth@bt.com, emma.dixon@thefmca.com		

Name of Forum	GeSI		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	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	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. We are currently centering our activities on the following thematic areas: 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	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. Full membership Annual fee: US$20,000 Regional membership Annual fee: US$20,000 Associate membership Annual fee: US$1,000		
Cooperative Relationships	Cooperate with Carbon Disclosure Project, World Wildlife Fund (WWF), GSMA, EICC, WBCSD, etc.		
IPR policy	o ~~available~~ / unavailable		

Contact Point	o Office location(city/country) - Brussels/Belgium o URL and telephone number URL: www.gesi.org TEL: +32 2 282 84 42

Name of Forum	Global Certification Forum		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	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 organisations from mainly a test environment.		
Cooperative Relationships			
IPR policy	o ~~available~~ / unavailable		
Contact Point	o URL and Email URL: http://www.globalcertificationforum.org/ Email: gcf@globalcertificationforum.org		

Name of Forum	HDMI Licensing, LLC		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	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	1. Knowledge Base 2. Training 3. Publications 4. Presentations
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	o ~~available~~ / unavailable
Contact Point	o URL and Email URL: www.hdmi.org o Location HDMI Licensing, LLC 1060 E. Arques Avenue, Suite 100 Sunnyvale, CA 94085 USA

Name of Forum	IBIS Open Forum		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	1993
Object field	IBIS is a standard for electronic behavioral specifications of integrated circuit input/output analog characteristics.		
Organizational Structure	Group Officers: Chair: Michael Mirmak, Intel Corporation, michael.mirmak@intel.com Vice-Chair: Syed Huq, Cisco Systems, shuq@cisco.com Secretary: Randy Wolff, Micron Technology, rrwolff@micron.com Librarian: Lance Wang, IO Methodology Inc., lwang@iometh.com Webmaster: Syed Huq, Cisco Systems, shuq@cisco.com Postmaster: Bob Ross, Teraspeed Consulting Group, bob@teraspeed.com		
Core Activities	In order to enable an industry standard method to electronically transport IBIS modeling data between silicon vendors, simulation software vendors, and end		

	customers, this template is proposed. 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 US $900 per year. Membership dues go directly to maintain the organization's web site, pay for specification balloting, legal and bookkeeping services and the like as provided by our parent organization, the GEIA.
Cooperative Relationships	
IPR policy	o ~~available~~ / unavailable
Contact Point	o URL and Email URL: http://www.eigroup.org/ibis/ TEL: (703) 907-7554

Name of Forum	International Safe Transit Association International		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	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	1. MEMBERSHIP DUES Primary Location The location of the Delegate or principle contact. Membership Dues without a Laboratory ($525) 2. Company dues are prorated by each quarter of the calendar year. Apr-Jun $394; Jul-Sep $263; Oct-Dec $657 (includes the following year.) 3. Membership Dues with a Laboratory ($750) Apr-Jun $563; Jul-Sep $375; Oct-Dec $938 (includes the following year.)		
Cooperative Relationships			

IPR policy	o ~~available~~ / unavailable
Contact Point	o URL and Tel URL: http://www.ista.org/ TEL: [+1] 517.333.3437 o Address ISTA Headquarters 1400 Abbot Road, Suite 160 East Lansing, Michigan 48823-1900 USA

Name of Forum	IP/MPLS Forum		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	2007
Object field	Unify service providers, suppliersand end users on common visionof IP/MPLS based solutions.		
Organizational Structure			
Core Activities	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. 1. Service Provider Council (SPC) •Carriers only -open discussion for carrier requirements without vendors in the room 2. Market Awareness and Education •Half and full day tutorials •Conferences and seminars 3. Conformance and Interoperability Testing •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	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 Study Groups 11, 13, 15, and 17regarding such topics as T-MPLS, NGN, MPLS OAM,MPLS/PNNI signaling interworking,		

	VoMPLScarriage and signaling
IPR policy	o ~~available~~ / unavailable
Contact Point	o URL and Email URL: http://www.ipmplsforum.org/ Email: amalis@ipmplsforum.org o Address Andrew Malis Verizon Communications 117 West Street Waltham, MA 02451 USA

Name of Forum	IWPC		
Active Purpose	Technology/Standards Promotion	Established Date(mm/yyyy)	1998
Object field	packaging and interconnect 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	Demonstration and Introduction of "Version 1.0" for prediction of handset battery life. Power Amplifier Devices for WiMAX, LTE and UMB Basestations. WiMAX, LTE and UMB Infrastructure - RF Technology Challenges and Comparisons		
Membership and Fees	Current memebership: at&t, bt, china mobile, orange, france telecom, metropcs, transport Canada, nist, etc.		
Cooperative Relationships			
IPR policy	o ~~available~~ / unavailable		
Contact Point	o 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(mm/yyyy)	1958
Object field	solid-state industry		
Organizational Structure			
Core Activities	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. 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. 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.		
2007 Results	o JC-11 Committee on Mechanical Package Outlines Standardization May 22, 2007 o JC-13.5 Subcommittee for Hybrid, RF/Microwave, and MCM Technologies May 23, 2007		
Membership and Fees	o One (1) Committee & its Subcommittee(s) US $ 2,000 (first year only) o annual dues:100,000 RMB; o Two (2) Committees & its Subcommittee(s) US $ 6,500 o Three (3) Committees & its Subcommittee(s) US $ 9,000 o our (4) or more Committees & its Subcommittee(s) US $1,000		
Cooperative Relationships	Microsoft Corporation, Google Inc. etc.		
IPR policy	o ~~available~~ / unavailable		
Contact Point	o Office location(city/country) - VA Arlington/USA o 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(mm/yyyy)	01/2007

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	o Mission - 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. o Work Group Characteristics and Deliverables - 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	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

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	US$275K/year	US$40K/

Cooperative Relationships	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. 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.
IPR policy	o ~~available~~ / unavailable
Contact Point	o Office location(city/country) - London/UK o URL and telephone number - URL: http://www.limofoundation.org, TEL: +44 207 559 1336

Name of Forum	NXDN Forum		
Active Purpose	development of "de facto" standards	Established Date(mm/yyyy)	07/2008
Object field	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.		
Organizational Structure	n/a		
Core Activities	n/a		
2007 Results	May.19.09 NXDN^{TM} Forum Announces Member Expansion and New Web Site Feb.27.09 Web site OPEN		
Membership and Fees	n/a		
Cooperative Relationships	n/a		
IPR policy	o ~~available~~ / unavailable		

Contact Point	o Office location U.S.A o URL and telephone number http://www.nxdn-forum.com/index.html

4 Summary

Those materials in this document are for information sharing for this GSC 14 meeting.