

Annual Report  
2009





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# Annual Report 2009

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Directors'  
Quote

“The Industry Players support the building up of self-regulation environment by making MTSFB as the driver by developing more technical codes. MTSFB will continue to grow with continuous support from all stakeholders in the industry. On behalf of the Board of MTSFB as the Chairman I would like to thank all parties who have continuously assisting MTSFB to grow from strength to strength. Our reputation is built on openness, collaboration and consensus from our registered members and venturing into strategic alliances with other similar international organisations to build our capacity forward”

**- Dato' Ismail Osman  
(Chairman / ASIASPACE)**

“MTSFB is a well established industry platform for Malaysian telecommunication industries to push for new Technology Standards, Industry Codes and Guidelines; and recommendation for spectrum is used optimally”

**- Mr. Poh Kee Seng (MAXIS)**

“I have all the confidence that MTSFB with its strong membership alliance coming from various industry and academic expert groups as the main catalyst in propelling the development of credible Malaysia's Technical Codes, in which our industry will find it not only beneficial for them to spur the business but also something that we can be proud of”


**- En. Rais Azhar (TELEKOM)**





“MTSFB is the only platform for the Industry and the Regulator to work together and achieve common objective in terms of standards and technical codes, as well as network interoperability and operation issues for the benefit of the Nation”

– **En. Imran Zulkifli (TIME)**



“MTSFB is recognised as the official technical forum by the Malaysian Communications and Multimedia Commissions, enabling valuable access to our industry players. We developed applicable Technical Codes as well as the Malaysian Standards for the communications and multimedia industry in the country”

– **Dato' Rosman Ridzwan (U MOBILE)**

“Developing standards for societal well being and contributing toward sustainable development for the communications and multimedia industry”

– **Tn. Hj. Ab Razak (SIRIM)**

“We always think about the consumer first in developing any Technical Codes to preserve public interest”

– **En. Shahrul Imran Sultan (MBNS / ASTRO)**

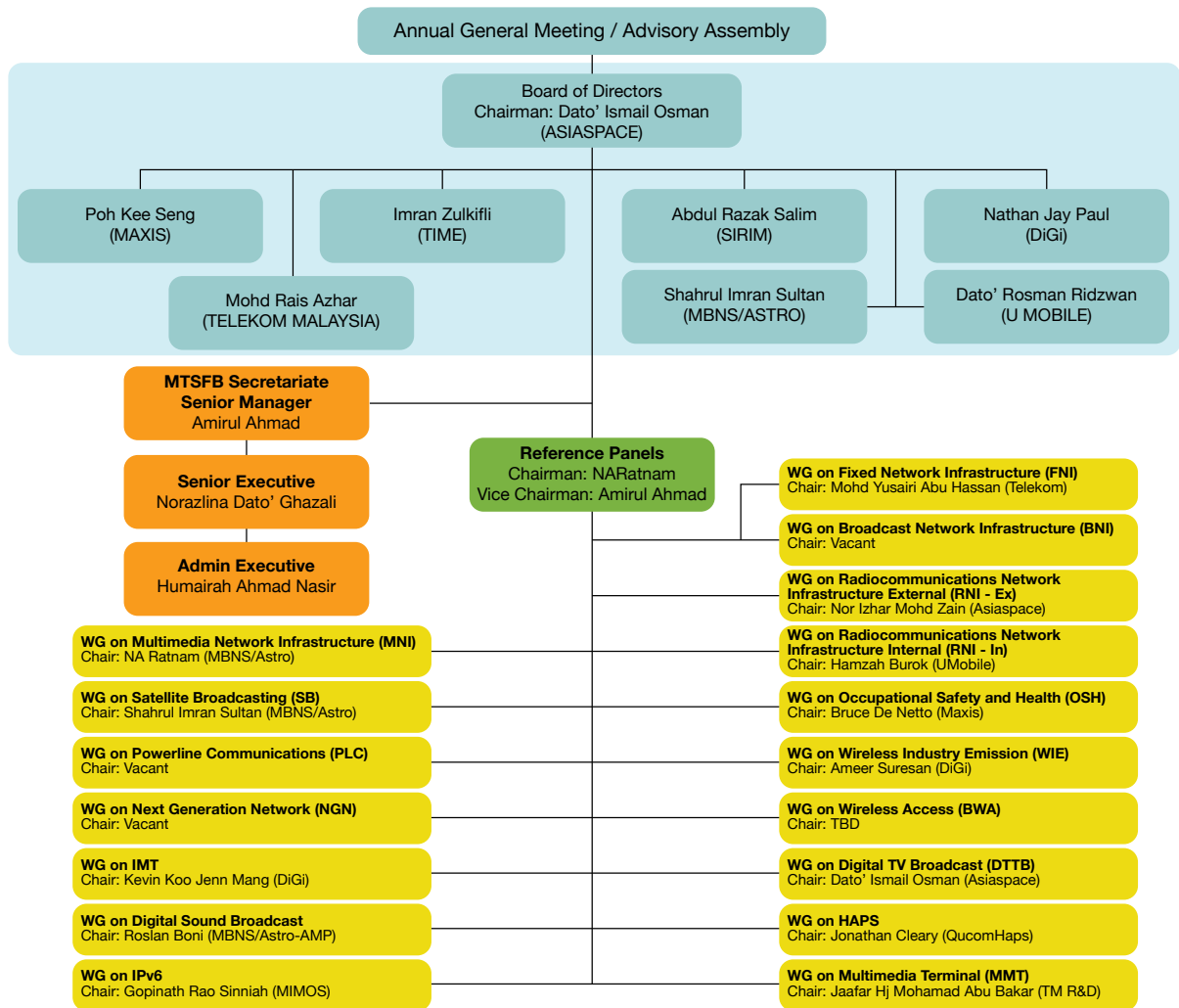
“MTSFB has the capacity and capability in developing and delivering leading edge technical industry standards that will benefit each and every Malaysian in years to come”

– **Mr. Kevin Koo Jenn Mang (DiGi)**



The Malaysian Technical Standards Forum Bhd (MTSFB) (655368-P) was incorporated on 8<sup>th</sup> June 2004. On 27<sup>th</sup> October 2004, MTSFB was designated and registered by the Malaysian Communications and Multimedia Commission (SKMM) as the “ Technical Standard Forum” under the Communications and Multimedia Act 1998 (Act 588), Part V, Chapter 9, Voluntary Industry Codes, Section 94 and Part VII, Chapter 3, Technical Standards.

The MTSFB AGM2009 was held on 26<sup>th</sup> June 2009 at SKMM Headquarters in Cyberjaya. MTSFB Organization Structure and Board of Directors for 2009/2010 session are as follows:



MTSFB Organisation Structure and Board of Directors for 2009/2010 session

### Chairman

1. Dato' Ismail Bin Osman – Asiaspace Digital Network Sdn Bhd

### Directors

1. Poh Kee Seng – Maxis Broadband Sdn Bhd
2. Mohd Rais Azhar – Telekom Malaysia Berhad
3. Hj Ab Razak Salim – SIRIM Berhad
4. Imran Zulkifli – TIME dotCom Berhad
5. Nathan Jay Paul – DiGi Telecommunications Sdn Bhd
6. Shahrul Imran Sultan – MBNS (Astro)
7. Dato' Rosman Ridzwan - U Mobile Sdn Bhd

### Alternate Directors

1. Nor Izhar Mohd Zain – Asiaspace Digital Network Sdn Bhd
2. Hj. Ramlan Bin Othman – Maxis Broadband Sdn Bhd
3. Salmiah Abd Majid – Telekom Malaysia Berhad
4. Khalidah Mustafa – SIRIM Berhad
5. Imran Zulkifli – TIME dotCom Berhad
6. Kevin Koo Jenn Mang – DiGi Telecommunications Sdn Bhd
7. Mustafa Kamal Mamat – MBNS (Astro)
8. Hamzah Burok – U Mobile Sdn Bhd

### Reference Panel Members

Reference panels, amongst the members approved or endorsed by the Board, will be responsible for professional oversight in particular areas of industry activities.

1. NA Ratnam – MBNS (Astro) - Chairman
2. Amirul Ahmad – Vice Chairman
3. Dato' Ismail Bin Osman – Asiaspace Digital Network Sdn Bhd
4. Abdul Ghani Zainal Abidin – SIRIM Berhad
5. Mohd Yusairi Abu Hassan – Telekom Malaysia Berhad
6. Nor Izhar Mohd Zain – Asiaspace Digital Network Sdn Bhd
7. Hamzah Burok – U Mobile Sdn Bhd
8. Bruce de Netto – Maxis Berhad
9. Hj Mohd Jaafar Mohamad Abu Bakar – Telekom Malaysia (TM R&D)
10. Gopinath Rao Sinniah – MIMOS Berhad
11. Kevin Koo Jenn Mang – DiGi Telecommunications Sdn Bhd
12. Ameer Suresan - DiGi Telecommunications Sdn Bhd
13. Suhaimi Abdul Rahman – Velchip
14. Roslan Boni – MBNS (Astro) /AMP)
15. Shahrul Imran Sultan – MBNS (Astro)
16. Jonathan Cleary – QucomHAPS Malaysia Sdn Bhd

## Board of Directors 2009/2010 session

## Reference Panels 2009/2010 session



*MTSFB convene meetings on a regular basis to ensure that its yearly objectives are achieved.*

## Management and Directors Meetings 2009

MTSFB convene meetings on a regular basis to ensure that its yearly objectives are achieved. The frequency of each meeting is as follows.

- i) The Board of Directors Meeting (BoD) to be held at least once in every quarter;
- ii) The Reference Panels Meeting (RPM) to be held bimonthly (bimestrial); and
- iii) Meetings with SKMM to be held on a frequent basis.

In 2009, the following meetings were held:-

### 1. Annual General Meeting (AGM)

- i. AGM2009 was held on 26<sup>th</sup> June 2009

### 2. Board of Directors Meeting (BoD)

- i. BoD Meeting No 1/2009 was held on 25<sup>th</sup> March 2009
- ii. BoD Meeting No 2/2009 was held on 12<sup>th</sup> June 2009
- iii. BoD Meeting No 3/2009 was held on 14<sup>th</sup> August 2009
- iv. BoD Meeting No 4/2009 was held on 22<sup>nd</sup> December 2009

### 3. Reference Panels Meeting (RPM)

- i. RP Meeting No 1/2009 was held on 19<sup>th</sup> February 2009
- ii. RP Meeting No 2/2009 was held on 28<sup>th</sup> April 2009
- iii. RP Meeting No 3/2009 was held on 2<sup>nd</sup> July 2009
- iv. RP Meeting No 4/2009 was held on 7<sup>th</sup> August 2009
- v. RP Meeting No 5/2009 was held on 20<sup>th</sup> October 2009
- vi. RP Meeting No 6/2009 was held on 15<sup>th</sup> December 2009

### 4. SKMM - MTSFB Meeting

- i. SKMM-MTSFB Meeting No 1/2009 was held on 24<sup>th</sup> April 2009
- ii. SKMM-MTSFB Meeting No 2/2009 was held on 3<sup>rd</sup> September 2009

*The Board of Directors Meeting (BoD) to be held at least once in every quarter and the Reference Panels Meeting (RPM) to be held bimonthly (bimestrial), while meetings with SKMM to be held on a frequent basis.*





Currently MTSFB has 43 registered members, an increase from 35 members since 2008. The membership status is divided into two categories as below:

### Ordinary Members – 17 registered corporate members:

Criteria for Ordinary Member - Licensee, National Standard Development Agency, a person whom Board considers that their admission would contribute towards the achievement of the company.

1. Maxis Broadband Sdn Bhd,
2. Telekom Malaysia Berhad,
3. DiGi Telecommunications Sdn Bhd,
4. MBNS (Astro),
5. SIRIM Berhad,
6. Time dotCom Berhad,
7. U Mobile Sdn Bhd,
8. Realm Energy Sdn Bhd,
9. Masers Digital Sdn Bhd,
10. DIS Technology Holdings Berhad,
11. Smart Digital Communications Berhad,
12. NTT MSC Sdn Bhd,
13. Orbitage Sdn Bhd,
14. QucomHaps Malaysia Sdn Bhd,
15. MIMOS Berhad,
16. ZTE (Malaysia) Corporation Sdn Bhd,
17. Asiaspace Digital Network Sdn Bhd

### Associate Members – 26 registered corporate members:

Criteria for Associate Member - Corporation or organisation whom Board considers that their admission would contribute towards the achievement of the company.

1. Rohde & Schwarz Malaysia Sdn Bhd,
2. Nokia Siemens Networks Sdn Bhd,
3. Ericsson (M) Sdn Bhd,
4. Alcatel-Lucent (Malaysia) Sdn Bhd,
5. Universiti Putra Malaysia,
6. TM Net Sdn Bhd,
7. Celcom (Malaysia) Berhad,
8. Motorola Technology,
9. Universiti Teknologi Malaysia,
10. Electrosccon,
11. Universiti Teknologi Mara,
12. Universiti Sains Islam Malaysia,
13. HAPS Network (Malaysia) Sdn Bhd,
14. National Advanced IPv6 Centre (NAv6),
15. Packet One Networks (Malaysia) Sdn Bhd,
16. BT Multimedia Sdn Bhd,
17. Panasonic R&D Centre Malaysia Sdn Bhd,
18. GTL Networks Services Sdn Bhd,

## Memberships 2009



*Currently MTSFB have 43 registered members, an increase from 35 members since 2008 - Ordinary and associate members.*

## Memberships 2009

19. Transform Star Sdn Bhd,
20. Jaring Communications Sdn Bhd,
21. Infoweapons Sdn Bhd,
22. MYNIC Berhad,
23. Sony EMCS Malaysia Sdn Bhd,
24. Multimedia Development Corporation Sdn Bhd,
25. Sapura Holdings Sdn Bhd,
26. NFE Consulting Sdn Bhd,
27. Strategy & Technology Limited (S&T),
28. Broadcast Australia Pty Limited

## Internal MTSFB Working Groups

MTSFB has played a key role in developing technical standards for the industry from its Working Group clusters which includes both internal and external parties.

Working Groups are established on a project by project basis and must operate in accordance with the Operating Manual or principles determined by the Board.

MTSFB oversees Working Groups meetings to be held as frequently as possible to ensure that all working groups are continuously active and working towards achieving their objectives in a timely manner.

### Current **10 active** Working Groups:

1. MULTIMEDIA TERMINAL WORKING GROUP (**MMT WG**)
2. INTERNATIONAL MOBILE TELECOMMUNICATIONS WORKING GROUP (**IMT WG**)
3. MULTIMEDIA NETWORK INFRASTRUCTURE WORKING GROUP (**MNI WG**)
4. FIXED NETWORK INFRASTRUCTURE WORKING GROUP (**FNI WG**)
5. RADIOCOMMUNICATIONS NETWORK INFRASTRUCTURE (EXTERNAL) WORKING GROUP [**RNI (Ex) WG**]
6. RADIOCOMMUNICATIONS NETWORK INFRASTRUCTURE (INTERNAL) WORKING GROUP [**RNI (In) WG**]
7. OCCUPATIONAL SAFETY & HEALTH WORKING GROUP (**OSH WG**)
8. WIRELESS BROADBAND WORKING GROUP (**WIB WG**)
9. INTERNET PROTOCOL VERSION 6 WORKING GROUP (**IPv6 WG**)
10. SATELLITE BROADCAST WORKING GROUP (**SB WG**)

*MTSFB has played a key role in developing technical standards for the industry from its Working Group.*





### Current 7 inactive Working Groups:

1. NEXT GENERATION NETWORK WORKING GROUP (**NGN WG**)
2. HIGH ALTITUDE PLATFORMS WORKING GROUP (**HAPS WG**)
3. DIGITAL TERRESTRIAL TELEVISION BROADCASTING WORKING GROUP (**DTTB WG**)
4. WIRELESS INDUSTRY EMISSION WORKING GROUP (**WIE WG**)
5. POWER LINE COMMUNICATIONS WORKING GROUP (**PLC WG**)
6. DIGITAL SOUND BROADCAST (DIGITAL RADIO BROADCAST) WORKING GROUP (**DSB (DRB) WG**)
7. BROADCASTING NETWORK INFRASTRUCTURE WORKING GROUP (**BNI WG**)

MTSFB was appointed as the Standards Writing Organization (SWO) by SIRIM under provision of the Department of Standards Malaysia on 30<sup>th</sup> August 2005. MTSFB also participates in various national standard development as stated below:

1. SIRIM Industry Standards Committee for Information Technology, Communications and Multimedia (ISC-G); Technical Committee for Information Technology, Interconnection, Communications and System Information (TC12) & Technical Committee on Electromagnetic Compatibility (TC on EMC)
2. SIRIM Industry Standards Committee for Occupational, Safety and Health (ISC-W); Department of Occupational Safety and Health's Working Group (DOSH's WG)
3. SKMM Digital Switchover Group (DSOG)
4. Kementerian Penerangan, Komunikasi dan Kebudayaan (KPKK) – Asia-Pacific Telecommunity (APT), World Telecommunication Standardisation Assembly (WTSA) preparation committee
5. KPKK/ Malaysian Administrative Modernisation and Management Planning (MAMPU) – IPv6 Implementation Committee

## External Working Group/Committee participation



*MTSFB oversees Working Groups meetings to be held as frequently as possible to ensure that all working groups are continuously active and working towards achieving their objectives in a timely manner.*

## Deliverables 2009

For the year 2009, MTSFB via its respective Work Group has successfully completed its deliverables as below:

No.	Items	WG
1.	Submission of the MTSFB 001:2009 - Technical Standards and Infrastructure Requirements (TSIR) - Part 3 - Radiocommunications Network Infrastructure (RNI) (External) to SKMM on 12 <sup>th</sup> November 2009	RNI (ex)
2.	Submission of the MTSFB 002:2009 - Technical Standard of In Building Fibre Cabling for Fiber to The Premise to SKMM on 12 <sup>th</sup> November 2009	FNI
3.	Submission of the IMT Standards For Malaysia : Recommendation – (IMT Preliminary Executive Summary) to SKMM on 18 <sup>th</sup> August 2009	IMT
4.	Submission of the IPv6 Phase 2 Testing for Internet Service Providers – (Test Method, Items and Procedures) to SKMM on 12 <sup>th</sup> November 2009	IPv6
5.	Registration of the Internet Service Provider (ISP) And Large Scale Enterprise IPv6 Fixed Network Implementation And Compliance Testing – Guidelines as a Malaysian Standard	IPv6
6.	Supported the SKMM Regional/State Seminar “Garis Panduan Penyediaan Kerja Sivil Bagi Infrastruktur Telekomunikasi Di Kawasan Pembangunan Baru” by presenting the Technical Standards and Infrastructure Requirements (TSIR) Part 1 on Fixed Network Infrastructure (FNI) by the FNI WG’s chairman and distribution of TSIR Part 1 & Part 2 publications during the event: <ul style="list-style-type: none"> <li>• SKMM Eastern Regional Office, which was held in Kuala Terengganu on 21<sup>st</sup> April 2009</li> <li>• SKMM Headquarter Office, which was held in Cyberjaya on 15<sup>th</sup> May 2009</li> <li>• SKMM Southern Regional Office, which was held in Johor Baharu on 25<sup>th</sup> May 2009</li> <li>• SKMM Northern Regional Office, which was held in Penang on 22<sup>nd</sup> June 2009</li> <li>• SKMM Southern Regional Office, which was held in Melaka on 1<sup>st</sup> December 2009</li> </ul>	FNI
7.	Co-organised with SKMM & SIRIM Awareness Seminar on Telecommunications Standards & Practise - SKMM Auditorium, Cyberjaya on 11 <sup>th</sup> August 2009. There were three presentations by MTSFB: <ul style="list-style-type: none"> <li>• Gopinath Rao Sinniah (Mimos) – Chairman of IPv6 WG</li> <li>• Salmiah Abd Majid (TM)– Member of NGN WG</li> <li>• Jaafar Hj Mohamad Abd Bakar (TM) – Chairman of MMT WG</li> </ul>	IPv6 NGN MMT
8.	Co-organised and supported the SKMM’s Forum Menilai Kesan Radiasi Radio-Frekuensi (RF) Sistem Telekomunikasi with local authorities & industry members: <ul style="list-style-type: none"> <li>• SKMM Central Region Office, which was held at Dewan Sivik MPPJ, Petaling Jaya, Selangor on 10<sup>th</sup> August 2009</li> <li>• SKMM Northern Region Office, which was held in Bercham, Ipoh, Perak on 8<sup>th</sup> August 2009 (dialogue with residents) and 20<sup>th</sup> August 2009 (RF measurement by Dr. Md Zaini Jamaludin of UNITEN</li> </ul>	Office



MTSFB via its respective Work Group has successfully completed its deliverables.



No.	Items	WG
9.	Appreciation Lunch for FNI, RNI(ex), IPv6 & NGN WGs on 1 <sup>st</sup> December 2009, Cyberview Resort	Office
10.	Jointly organised with Malaysian Nuclear Agency, SKMM, Energy Commission, Ministry of Health Malaysia and Malaysian Radiation Protection Association the "Non-Ionising Radiation Safety Conference 2009", 15 <sup>th</sup> - 16 <sup>th</sup> December 2009 at Meritus Pelangi Beach Resort & Spa, Langkawi	Office
11.	Participation in the MDEC's MSC MALAYSIA BUILDING INFOSSTRUCTURE GUIDELINE REVISION WORKSHOP on 16 <sup>th</sup> - 17 <sup>th</sup> December 2009 at Genting Highlands	FNI RNI (Ex) / (In) Office
12.	Adoption of the MTSFB 002:2008 - Guideline for Adoption of IP Multimedia Subsystem (IMS) by SKMM as (SKMM/G/04/09) on 28 <sup>th</sup> October 2009. <a href="http://www.skmm.gov.my/facts_figures/codes_gl/index.asp">http://www.skmm.gov.my/facts_figures/codes_gl/index.asp</a>	NGN

## Deliverables 2009

A Public Comment notification was issued for the New Communications and Multimedia Technical Standards which was made available on our website and paid advertisement. This notification was published in Berita Harian (Bahasa Malaysia version) and New Straits Times (English version) on 7<sup>th</sup> August 2009. It was also published by SKMM's Press Release, New Communications and Multimedia Technical Standards For Public Comments on 28<sup>th</sup> August 2009.

## Public Comment/ Press Release

Initially, the period for the Public Comment was from 7<sup>th</sup> August 2009 until 8<sup>th</sup> September 2009 but upon request by SKMM, it was extended until 23<sup>rd</sup> September 2009.

This exercise was part of the requirement process outlined by SKMM to register technical codes. The Public Comment exercise was also cited in the following media:

1. Bernama, New Multimedia Technical Standards For Public Comments on 28<sup>th</sup> August 2009
2. Berita Harian, Kod teknikal baru on 29<sup>th</sup> August 2009
3. Harian Metro, SKMM, MTSFB bangun kod teknikal baru on 1<sup>st</sup> September 2009



**DRAFT COMMUNICATIONS AND MULTIMEDIA TECHNICAL STANDARD FOR PUBLIC COMMENT 7 AUGUST – 8 SEPTEMBER 2009**

The public are invited to give their comments on the following draft technical standard documents. The respective document and form can be downloaded from our website. **All comments must reach Malaysian Technical Standards Forum Bhd (MTSFB) not later than 8 September 2009 through e-mail, fax or written letter.**

1. MTSFB 001:2009 - Technical Standards and Infrastructure Requirements (TSIR) - Part 3 - Radiocommunications Network Infrastructure (RNI) (External)
2. MTSFB 002:2009 - Technical Standard of In Building Fibre Cabling for Fiber to The Premise

Kindly refer below details for further information:

<p><b>Malaysian Technical Standards Forum Bhd</b> Lot 3-4C, Incubator 3, Technology Park Malaysia Lebuhraya Puchong-Sg. Besi 57000 Bukit Jalil, Kuala Lumpur</p>	<p>Tel : 603-8996 5505 Fax : 603-8996 5507 Email : <a href="mailto:admin@mtsfb.org.my">admin@mtsfb.org.my</a> Web : <a href="http://www.mtsfb.org.my">www.mtsfb.org.my</a></p>
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*The public comment exercise is part of the requirement process outlined by SKMM to register technical codes.*

## International Participations

MTSFB participated in the 7th Meeting of the APT Wireless Forum (AWF-7) which was held in Phuket, Thailand from 23rd – 26<sup>th</sup> September 2009. The AWF-7 was attended by MTSFB's representative and IMT WG Chairman, Mr. Kevin Koo Jenn Mang from DiGi Telecommunications Sdn Bhd. The event was organized and hosted by the Asia Pacific Telecommunity. The APT Wireless Forum (AWF) is working on the issues on conventional and emerging wireless technologies. In the AWF-7, the AWF reported and presented its activities and work.

## List of Documents

No	Document	Title
1	MTSFB 001:2005	Guideline on Next Generation Network (NGN) Realisation
	MS 1903:2006	Next Generation Network (NGN) Realisation
2	MTSFB 002:2005	Technical Standard on Digital Terrestrial Television (DTTB)
3	MTSFB 003:2005	Guidelines for Broadband Over Powerline (BPL) Physical Network Layer
	MCMC/G/03/05	Guidelines On Broadband Over Power Line Communications
	MS 1902:2006	Broadband Over Powerline (BPL) Physical Network Layer
4	MTSFB 004:2005	Technical Standard on RF Emission Control of Cellular Radio Sites
5	MTSFB 005:2005	Digital Sound Broadcast (DSB) Technical Standard
6	MTSFB 006:2005	Technical Standard and Infrastructure Requirements (Broadcast Network Infrastructure)
	MTSFB 006:2005 (Rev 1)	Technical Standard and Infrastructure Requirements (Broadcast Network Infrastructure) - Publication
7	MTSFB 007:2005	Technical Standard and Infrastructure Requirements (Occupational Safety and Health Work Practices Guidelines)
8	MTSFB 008:2005	Technical Standard and Infrastructure Requirements Fixed Network Infrastructure
	MTSFB 008:2005 (Rev 1)	Technical Standard and Infrastructure Requirements Fixed Network Infrastructure - Publication
9	MTSFB 009:2005	Quality of Service for Voice, SMS and Packet-Switched Traffic for Public Cellular Services



*MTSFB also participates in various local and international events*



## List of Documents

No	Document	Title
10	MTSFB 001:2006	Technical Standard for Wireless Broadband – WiMAX
11	MTSFB 002:2006	Guideline on IPv6 Implementation and Compliant Test
	MS 2235:2009	Internet Service Provider (ISP) and Large Scale Enterprise IPv6 Fixed Network Implementation and Compliance Testing - Guidelines
12	MTSFB 001:2008	Technical Standard For Free To Air Digital Terrestrial Receiver (Set Top Box)
	SKMM WTS STB FTA Rev 1.01:2008	Technical Specification For Free To Air Digital Terrestrial Television Receiver (Set-Top-Box)
13	MTSFB 002:2008	IP Multimedia Subsystem (IMS) Guidelines
	MCMC/G/04/09	Guidelines for Adoption of Internet Protocol Multimedia Subsystem (IMS)
14	MTSFB 003:2008	Mobile Broadcast TV Guidelines
15	MTSFB 001:2009	Technical Standard and Infrastructure Requirements (TSIR) Part 3 Radiocommunications Network Infrastructure (External)
16	MTSFB 002:2009	Technical Standard of In Building Fibre Cabling for Fiber To The Premise



*Documents successfully developed by the various Working Groups.*





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