

Global Recognition



2009
ANNUAL REPORT



In a highly challenging world that's constantly turning in cycles of progress, STANDARDS MALAYSIA strives to stay on course with our vision and mission of achieving GLOBAL RECOGNITION. We will continuously uphold and promote STANDARDS AND ACCREDITATION and be a significant contributor in developing and promoting standardisation and accreditation for the benefit of the societies of the world.

Focusing on how we develop and advance
standards and accreditation to achieve:

GLOBAL RECOGNITION



Developing, promoting and advancing Standards & Accreditation for the sustainability of the Malaysian economy, the environment and the safety as well as the well-being of the **rakyat** (people) are at the heart of STANDARDS MALAYSIA. It involves many different people working together to achieve clearly defined policies, plans and strategies that encompass the attainment of recognition globally.

In 2009, STANDARDS MALAYSIA intensifies efforts to achieve

GLOBAL RECOGNITION

This is in line with:

OUR VISION

Accepted by Malaysians, recognised by the World

OUR MISSION

To provide credible standardisation and accreditation services to enhance economic, societal and environmental well-being

Our Vision and Mission Statements are not mere rhetoric. They are supported by carefully planned strategies as outlined in our five-year Strategic Plan (2006-2010):

- Adding value to the nation's economic and social well-being.
- Building capacity and capability of STANDARDS MALAYSIA.
- Enhancing global acceptance of Malaysian products and services.
- Positioning STANDARDS MALAYSIA and MALAYSIA as a leader/international contributor in standardisation and accreditation.

Some key words "GLOBAL ACCEPTANCE" and "LEADER/INTERNATIONAL CONTRIBUTOR" have taken prominence in our 2009 strategic moves that have produced commendable results for STANDARDS MALAYSIA and MALAYSIA as a whole. This is our CONTRIBUTION to the nation.





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UPFRONT IN DRIVING THE GLOBAL AGENDA

The Ministry of Science, Technology and Innovation (MOSTI) spells out the priorities and drives all aspects of the advancement of Science, Technology and Innovation (ST&I) in Malaysia.

MOSTI steers all its departments and agencies, including STANDARDS MALAYSIA, the sole National Standards and Accreditation Body that oversees standards and accreditation activities in Malaysia. With the direction of MOSTI and the guidance, advice and recommendations given by the Malaysian Standards and Accreditation Council (MSAC), STANDARDS MALAYSIA has been able to function effectively. What drives us in 2009 is the strong aspiration to attain higher global recognition and this would not have been possible without the endorsement and support of our two key leaders who stay upfront in helping to drive the global agenda.

Driving Innovation and Going Global



Minister of Science, Technology and Innovation
Y.B. Datuk Seri Dr. Maximus Johnity Ongkili

With the spotlight firmly focused on going global, the Minister of Science, Technology and Innovation, Y.B. Datuk Seri Dr. Maximus Johnity Ongkili places much greater emphasis on the aspect of innovation that will help strengthen Malaysia to be more competitive globally. Taking the cue from the Minister, STANDARDS MALAYSIA further intensifies efforts to develop and attain internationally recognised standards as well as uses accreditation practices to help ensure the acceptance of Malaysian products and services globally. We consistently encourage Malaysian industry to add value to products, processes, technologies and services so as to gain wider market. On our part we help the industry to use standards and accreditation as effective tools to improve the marketability of Malaysian products and services. With standards and accreditation in place, the path is clear for Malaysia to make greater inroads in gaining acceptance and recognition in international markets. Key executives of STANDARDS MALAYSIA have also made impact in the international standards and accreditation arena by their active participation and success in

securing important positions in the International Organization for Standardization (ISO) and other bodies. These key executives and other selected personnel of the organisation have relentlessly made their presence felt in the activities at international and regional levels and have also continued to protect the nation's interests while at the same time maintaining cordial and effective networking with their international counterparts. STANDARDS MALAYSIA also continuously strengthens the framework to further drive growth initiatives using innovative approaches to expand our portfolio into new markets particularly countries with high growth potential that can deliver the targeted benefits with our involvement. In taking this approach, we also continue to equip ourselves with the necessary skills and knowledge and acquire as much experience as possible so as to perform better by being more productive, innovative and competitive. With the Minister's guidance and support, we believe we have made significant contributions to the advancement of ST&I particularly the fields of standards and accreditation.



Building Smart Partnerships

Chairman, Malaysian Standards and Accreditation Council
Y.Bhg. Tan Sri Datuk Dr. Ahmad Tajuddin Ali

Holding the reins of MSAC is its Chairman, Y.Bhg. Tan Sri Datuk Dr. Ahmad Tajuddin Ali who ensures that STANDARDS MALAYSIA continues to achieve a high level of performance by meeting all the organisation's goals. This is possible not only with careful planning and implementing of strategies but also by working together as a team and building smart partnerships with all stakeholders including regulators and enforcement agencies who have the common interest to advance standards and accreditation in the country. STANDARDS MALAYSIA also seeks to enhance its relationships with other Government bodies, industry players, trade associations, consumer groups and non-governmental organisations whose inputs are also

vital in many matters concerning standardisation and accreditation. By maintaining regular contacts and building on the "partnerships" with these various groups over the years have helped STANDARDS MALAYSIA to continually assess our strategies and approaches, review priorities and introduce more strategic initiatives for the benefits of all the stakeholders. We are also mindful of the need to sustain an environment of close collaboration so we will be better able to move the important agenda of delivering globally accepted products and services which will help sustain and strengthen the Malaysian economy. More importantly, our efforts are crucial in the country's efforts to become an advanced nation.

Our Appreciation

We take this opportunity to thank the Minister of Science, Technology and Innovation and the MSAC Chairman as well as all members of the MSAC for having given us the support and guidance in formulating STANDARDS MALAYSIA's policies, plans and strategies. We remain steadfast in carrying out our mission and achieving our organisational goals. The year 2009 has seen us mobilised greater efforts to achieve global recognition, and this would not have been possible without support from the highest level of our leadership as well as those who have helped us carried it through. These include many in MOSTI, MSAC and STANDARDS MALAYSIA who have all worked together in advancing standards and accreditation that have delivered real benefits for the well-being of all Malaysians.

STANDARDS MALAYSIA UPCLOSE

Organisational Brief

As the sole National Standards and Accreditation Body, STANDARDS MALAYSIA oversees all activities related to standards and accreditation in Malaysia. Since our establishment on August 28, 1996, we have set the infrastructure to advance and promote standards and accreditation in Malaysia at both the national and international levels. Being a member of the International Organization for Standardization (ISO) and the International Electro-technical Commission (IEC), STANDARDS MALAYSIA represents Malaysia in international standardisation and accreditation activities. Over the years, both standards and accreditation have progressed significantly, thanks to the various establishments which have consistently discharged their responsibilities and duties diligently. These establishments come under the stewardship of MOSTI, as shown below:



ORGANISATIONAL LEADERSHIP

Helming STANDARDS MALAYSIA are leaders at Ministerial and Council levels who steer STANDARDS MALAYSIA to fulfil the national agenda of advancing the nation through ST&I. Forming the core group of the next level of the leadership are key executives of STANDARDS MALAYSIA who carry out their functions through the organisation's various divisions.

Ministerial and Council Leaders



Y.B. Datuk Seri Dr. Maximus Johnny Ongkili
Minister of Science, Technology and Innovation



Y.Bhg. Dato' Madinah Mohamad
Secretary General, Ministry of Science, Technology and Innovation



Y.Bhg. Tan Sri Datuk Dr. Ahmad Tajuddin Ali
Chairman, Malaysian Standards and Accreditation Council



Members of MSAC

- Y.Bhg. Tan Sri Dr. Ahmad Tajuddin Ali
- Y.Bhg. Dato' Dr. Sharifah Zarah Syed Ahmad
- Y.Bhg. Tan Sri Dato' Hj. Mohd. Ramli Khusairi
- Y.Bhg. Ir. Hj. Yahaya Ahmad
- Y.Brs. Dr. Chua Hong Teck
- Y.Bhg. Dato' Kamaruddin Ismail
- Y.Bhg. Dato' Wahab Hamid
- Mrs. Mahani Tan bt. Abdullah
- Dr. Ir. Shamsudin b. Hj. Ab. Latif
- Y.Bhg. Dato' Dr. Ir. Andy K H Seo
- Y.Bhg. Datuk Aishah Ahmad
- Y.Bhg. Datuk Dr. Soon Ting Kueh
- Y.Bhg. Ir. Dr. Abdul Majid b. Dato' Abu Kassim
- Y.Bhg. Datuk Marimuthu Nadason
- Y.Bhg. Dato' Ir. Dr. Johari b. Basri

Ir. Mah Lok Abdullah

MyNAC Chairman

Y.Bhg. Tan Sri Dato' Hj. Mohd. Ramli Kushairi

MyNSC Chairman

Y.Bhg. Ir. (Dr.) Datuk Mohd. Annas Mohd. Nor

MyENC Chairman

Y.Bhg. Datuk Dr. Noor Hisham b. Abdullah

MyNMTAC Chairman

Y.Bhg. Prof. Dr. Ainoon Othman

MyGLPC Chairman

Key Executives of STANDARDS MALAYSIA



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A Strong Management Team Working Together to Achieve Organisational Goals



**Operational Report by
Director General of
STANDARDS MALAYSIA**

ACHIEVING GLOBAL RECOGNITION

“ Going global has always been our mission. Through careful planning and strategising, we have successfully developed internationally recognised standards and accreditation guidelines and practices to help the country deliver globally accepted Malaysian products and services. ”



Fadilah Baharin
Director General

Why Go Global?

In the context of STANDARDS MALAYSIA, we promote the use of standards and accreditation to help the industry to:

- Build confidence in Malaysian products and services by ensuring their conformance to international standards and accreditation. We ensure the timely delivery of market-relevant Malaysian Standards (MS) for the industry to achieve internationally acceptable products and improve their processes for optimisation of effectiveness and efficiency.
- Facilitate the entry of Malaysian products and services in the international marketplace, hence helping to boost the export of the country's products, which is essential for the sustainability of the Malaysian economy.
- Develop global market linkages through stakeholders' participation and support for standardisation and accreditation at national, regional and international levels.
- Enhance Malaysian industry's competitiveness in the international marketplace by achieving credible and internationally recognised standards and accreditation as well as maintaining active participation in conformity assessment activities.

- Participate in international tenders supported by strong and relevant certifications of products and services which are essential for Malaysian companies to go global. In order to go global, the companies simply have to be the best, and STANDARDS MALAYSIA helps them to do so by utilising standards and accreditation.

How Do We Go Global?

While STANDARDS MALAYSIA assists Malaysian companies to go global by promoting the use of standards and accreditation that specify quality, safety and compatibility requirements for a massive range of Malaysian products so as to gain global consumer confidence and further penetrate the international marketplace, we ourselves have walked the talk.

In 2009, we made much greater inroads to have the Malaysian presence strengthened in the arena of international standards and accreditation. How do we do this? Here are some of our key approaches:

- **Going Global Through Our People**
This begins right at the top of our leadership, the MSAC, down to the level of our key executives. The following are the international appointments achieved in 2009:

1 **Who:** MSAC Chairman,
Y. Bhg. Tan Sri Datuk Dr. Ahmad Tajuddin Ali.
Appointed As: ISO Council Member for the term 2010-2011.
Outcome: His appointment has positioned STANDARDS MALAYSIA to a pivotal role in the activities of the international standards body. The ISO Council is the governing outfit of the organisation under which resides several policy development committees, which provide strategic guidance for standards development work. These committees include Conformity Assessment Committee (CASCO), Committee on Developing Countries (DEVCO) and Committee on Consumer Policy (COPOLCO).

2 **Who:** Director General of STANDARDS MALAYSIA,
Mrs. Fadilah Baharin.
Appointed As: ISO Regional Liaison Officer for East and South-east Asia for the year 2010.
Outcome: This appointment allows Malaysia to remain active and relevant in the ISO activities in this region.

3 **Who:** Director of Standards,
Mr. Ridzwan Kasim.
Appointed As: Re-elected as PAC Executive Committee member for another three years.
Outcome: This re-election shows global confidence and recognition of Malaysia in the field of accreditation. Mr. Ridzwan was re-elected during the 16th PAC Plenary in Taiwan.

4 **Who:** Director of Accreditation,
Mr. Shaharul Sadri Alwi.
Appointed As: Lead Evaluator for Asia Pacific Laboratory Accreditation Co-operation (APLAC) Mutual Recognition Arrangements (MRA). Mr. Shaharul was also appointed as the Internal Auditor for the APLAC Secretariat from April 14-18, 2009.

Outcome: Malaysia's capability in the field of accreditation has been recognised with this appointment. In 2009, Mr. Shaharul conducted evaluations in Thailand and Papua New Guinea on behalf of APLAC.

5 **Who:** Director of Strategic Management,
Mr. Rafaiq Bakri Zakaria.
Appointed As: Chairman of the Sub-Committee of the Organisation of Islamic Conference (OIC) Standardisation Experts Group (SEG) on "Development of the OIC Halal Food Standards and Procedures".
Outcome: Malaysia's pioneering efforts and success in developing the MS 1500: 2009 that prescribes the guidelines for the handling and preparations of halal food have been recognised at the OIC level. En. Rafaiq's appointment is crucial in the development of halal food standards and procedures, which are aimed for acceptance by all OIC member countries despite differences in opinions that exist.

6 **Who:** Lead Assessors,
Ir. Boey Hor Meng and Mr. Lai Seng Chiang.
Appointed As: Peer Evaluators for Pacific Accreditation Co-operation (PAC).
Outcome: Malaysia's accreditation expertise and experience have been acknowledged with these appointments in PAC, which promotes the international acceptance of accreditations granted by its accreditation body members, based on the equivalence of their accreditation programmes. Ir. Boey Hor Meng, who was appointed as Lead Peer Evaluator together with three other members from Hong Kong, Taiwan and China, conducted peer evaluation in New Zealand in July 2009. Mr. Lai Seng Chiang was a team member involved in peer evaluation in Thailand in September 2009.

“ We made much greater inroads to have the Malaysian presence strengthened in the arena of international standards and accreditation. ”

● Holding International Positions as an Organisation

STANDARDS MALAYSIA represents Malaysia at the international level of standardisation and accreditation activities. With our active and effective participation, STANDARDS MALAYSIA has successfully gained positions in international boards/committees, as follows:

- STANDARDS MALAYSIA elected as an ISO council member for the term 2010-2011 and ISO Technical Management Board (TMB) Member for the term 2010-2012. TMB, which reports to the ISO Council is responsible for the overall management of technical work, including monitoring the development of ISO standards at the technical committee level. Another highlight is the participation of Malaysian Association of Standards Users (Standards Users), which represent STANDARDS MALAYSIA at the Chairs Group Meeting of ISO COPOLCO and the co-convener of the ISO COPOLCO Working Group (WG) on Product Safety. Through STANDARDS MALAYSIA, Standards Users also have become a member of the Integrated Drafting Task Force (IDTF) of the ISO WG responsible for developing ISO 26000 pertaining to Social Responsibility (SR).
- STANDARDS MALAYSIA holds several Secretariat Positions, Convenorships and “P” Memberships that allow us to remain active internationally and at the same time advance and protect the nation’s interest in the different standards development work. In addition, STANDARDS MALAYSIA maintains and continues to gain “Participating” or “P” memberships in ISO and IEC. Please see Key Indicators on page 41 for details of Secretariats, Convenorships and “P” memberships held by STANDARDS MALAYSIA.

● Remaining Relevant in International Arrangements

STANDARDS MALAYSIA ensures Malaysia’s representation internationally by maintaining appointments as signatories to various international arrangements and remaining

relevant in key international standardisation and accreditation bodies, as follows:



Asia Pacific Laboratory Accreditation Cooperation (APLAC – forum for laboratory accreditation bodies in the Asia Pacific region): Malaysia, through STANDARDS MALAYSIA has been accepted into the APLAC MRA in the fields of testing and calibration as well as in medical testing. In 2009, STANDARDS MALAYSIA attended the APLAC General Assembly and Technical Meetings and participated in giving the relevant inputs.



International Laboratory Accreditation Cooperation (ILAC – an international co-operation of laboratory and inspection accreditation bodies): Malaysia, also through STANDARDS MALAYSIA has been accepted into ILAC MRA in the fields of testing and calibration. STANDARDS MALAYSIA attended the ILAC General Assembly and related meetings in 2009 and submitted comments and votes as requested by ILAC.



Pacific Accreditation Cooperation (PAC – an association of accreditation bodies and other parties that facilitate trade and commerce among economies in the Asia Pacific region): STANDARDS MALAYSIA plays a crucial role in maintaining Malaysia as the PAC Multilateral Recognition Arrangement (MLA) signatory to two programmes, namely Quality Management Systems (QMS) and Environmental Management Systems (EMS). On 16 June 2009, Malaysia through STANDARDS MALAYSIA expanded its signatory status in the PAC MLA to include Product Certification programme, and becoming one of ten signatories of the programme. Other signatories include countries such as Australia, New Zealand, Canada, Mexico, Singapore,

Taiwan, USA, Korea, China and Indonesia. CBs accredited by PAC MLA signatories are recognised as equivalent and users of the services can be assured of comparable accreditation methods used by all PAC members.



International Accreditation Forum (IAF – the world association for Conformity Assessment Accreditation Bodies

and other bodies interested in conformity assessment in the fields of management systems, products, services, personnel and other similar programmes of conformity assessment): STANDARDS MALAYSIA is also responsible for Malaysia's acceptance into the IAF MLA for QMS, EMS and PC programmes. This supports IAF's primary function of developing and promoting a single worldwide programme of conformity assessment, which reduces risk for business and its customers by assuring them that accredited certificates issued by member countries can be relied upon. On 9 July 2009, Malaysia through STANDARDS MALAYSIA was accepted as a signatory to IAF MLA for PC programme.

● Maintaining Active Participation Internationally

STANDARDS MALAYSIA also gains global recognition by remaining active and relevant in international standardisation and accreditation activities. As in previous years, the activities in 2009 were numerous. These include meetings, seminars, workshops, conferences and negotiations during which STANDARDS MALAYSIA seized opportunities to voice opinions, ideas and concerns as well as advanced Malaysia's interests. Among some of the highlights in 2009 are:

- STANDARDS MALAYSIA was appointed as the lead negotiator for Technical Barrier to Trade (TBT) Chapter in Free Trade Agreement (FTA) negotiations for Malaysia-Australia, Malaysia-New Zealand, Malaysia-India, Malaysia-United States (US) and the Association of South East Asian Nations (ASEAN)-China. STANDARDS

MALAYSIA also provided inputs for other FTA negotiations involving the Ministry of International Trade and Industry (MITI). All in, STANDARDS MALAYSIA was involved in 12 FTA negotiations by providing inputs and support for accreditation and conformity assessment activities related to the World Trade Organization (WTO) TBT and FTAs.

- STANDARDS MALAYSIA was involved in the United Nations Industrial Development Organization (UNIDO) project which is the study on ISO 9001 implementation in developing Asian Economies. The purpose of the project is to assess the impact of ISO 9001 on developing Asian economies including Bangladesh and Pakistan. The project was initiated by the Trade Capacity Building Branch of UNIDO with the co-operation of ISO and IAF. Malaysia through STANDARDS MALAYSIA took a proactive approach by volunteering to get involved in this project. A seminar was held to explain the objectives of ISO 9001 to all interested parties, including certified organisations, organisations implementing ISO 9001 but have not yet been certified, CBs, consultants, training bodies, Government departments and universities.
- STANDARDS MALAYSIA hosted five ISO Technical Committee (TC) meetings and two ASEAN Consultative Committee for Standards and Quality (ACCSQ) Product Working Group (PWG) meetings as well as one ISO consultation on Quality Management: Linking TPOs and NSBs for Export Success in collaboration with the Malaysia External Trade Development Corporation (MATRADE).
- STANDARDS MALAYSIA also hosted Training Programme on Halal Standards and Conformance Infrastructure for OIC Countries under Malaysian Technical Co-operation Programme (MTCP). This programme is designed to assist agencies related to halal product services in OIC countries in areas of halal standards and conformance. Based on the experience of Malaysia in developing a framework for quality assurance of halal products, the programme will allow the sharing of experiences and concerns among member countries.

Global Strategies: Other Key Initiatives

We seek to align our initiatives to:

- Strengthen our framework for driving growth worldwide by continuing to assess our portfolio for expansion into new markets. This move supports the National Innovation Agenda particularly involving “international scanning” of new technologies relevant to standards and accreditation. We also identify new technologies and assess their potential for adaptation to existing standards.
- Make MS as International Standards where relevant. To push this agenda, it is important for us to have strong linkages and nurture collaborations with foreign standardisation organisations. We also need to develop linkages and relationships with regional and international accreditation associations to enhance our capability as well as to secure memberships in these bodies.
- Collaborate with foreign countries with high growth profiles with the aim of benefiting from our involvement in the standards economy. This helps facilitate the promotion of MS to third world countries and OIC member countries for them to adapt MS as their national standards.

Other Priorities

While going global became the emphasis in 2009, STANDARDS MALAYSIA also continued to focus on the domestic front, which primarily covered the following priority areas:

● Forging Strategic Smart Partnerships

There is the essential need to forge strategic alliances with many parties such as regulators, enforcement agencies and various public and private sector organisations as well as individuals to push further the work carried out by STANDARDS MALAYSIA. In 2009, we continued to work with key players and in many instances empowered people to help promote standards and accreditation. There is of course room for improvement such as the need to get

experts from external organisations to conduct briefings that will help advance standards and accreditation in a credible manner. All strategic partners must work as a team based on common goals for the benefit of the country. For example, STANDARDS MALAYSIA has paved the way to become the bridge between the Department of Islamic Development Malaysia (JAKIM), Halal Development Corporation (HDC) and the industry in so far as halal standards are concerned.

● MS Development and Promotion

Focus was given on developing market-driven MS that also met national objectives as well as contributed towards increasing global acceptance of Malaysian products and services. In 2009, a total of 443 MS including 70 for the electro-technical sector were developed. This exceeded the target of developing 300 MS for the year. There was also wider adoption of mandatory standards by regulators with the increase in adoption of the mandatory standards from 210 in 2008 to 225 in 2009. As part of efforts to promote MS in 2009, STANDARDS MALAYSIA conducted 26 seminars and numerous national consultations, workshops and training programmes relevant to MS for various sectors. The efforts have paid off as proven by the increase in sales of MS from 19,862 copies in 2008 to 26,479 copies in 2009.

● Continued Enhancement of Accreditation Services

The activities to enhance accreditation services include the assessment of laboratories and certification bodies focusing on new fields. In 2009, STANDARDS MALAYSIA continued to ensure that the existing accreditations comply with relevant requirements under the following schemes:

- Laboratory Accreditation Scheme of Malaysia or Skim Akreditasi Makmal Malaysia (SAMM): Laboratories in Malaysia are deemed competent once they are accredited by STANDARDS MALAYSIA through SAMM that conform to the relevant international standard. For halal authentication, SAMM includes laboratory accreditation to test the presence of porcine DNA and determination of qualitative profile of alcoholic beverages by gas chromatography. Testing of porcine DNA covers a wide range of finished and raw products including food, for both

qualitative and quantitative identification by Polymerase Chain Reaction (PCR), Real Time PCR and also physical determination of pig skin/pig hair in leather products/brushes using microscopic examination. The accreditation standard used is based on MS ISO/IEC 17025: General Requirements for the Competence of Testing and Calibration Laboratories. SAMM only accredits those facilities that meet all its criteria for testing competence and sound laboratory practice. SAMM also continuously assesses and re-assesses every accredited laboratory annually. In 2009, SAMM accredited two laboratories, which were deemed competent to carry out tests on the above-mentioned parameters.

Other progress made under SAMM in 2009:

- **Medical:** STANDARDS MALAYSIA expanded the implementation of its medical testing accreditation to include Assisted Reproductive Technology (ART) and Cytogenetics. Till today, Sime Darby Medical Centre Laboratory in Subang Jaya is the only medical testing laboratory in Malaysia accredited for Cytogenetics testing under the SAMM Scheme. STANDARDS MALAYSIA has accredited 10 more medical laboratories under MS ISO 15189 for this year which include both private and government laboratories. University Malaya Medical Centre is the 1st medical testing laboratory among the universities in Malaysia to receive this accreditation.
- **Forensic Science:** Accreditation of Forensic Science Testing (FST) laboratories has been initiated since 2006.

Till today, five documents have been developed including the most recent one that is Dangerous Drug and Controlled of Substances that have been approved by Y. B. Minister of MOSTI early 2009.

- **Accreditation of Certification Bodies (ACB) Scheme:** STANDARDS MALAYSIA uses this scheme to assess and accredit CBs in compliance with relevant international standards as competent when providing their certification activities. In 2009, STANDARDS MALAYSIA accredited six CBs for various programmes, one for QMS, two for PC, two for forest management certification (FMC) and one for food safety management systems (FSMS).

New programme:

- **Good Laboratory Practice (GLP) Compliance Programme:** This programme was launched for test facilities that conduct studies for non-clinical health and environmental safety studies in the country. Launched on July 10, 2009, this programme is intended to ascertain whether test facilities have implemented and complied with the requirements described in documents OECD Principles of GLP and STANDARDS MALAYSIA GLP Compliance Programme Manual. With the support from the Ministry and Malaysian Biotechnology Corporation, three appointed GLP inspectors attended the 9th OECD Inspector Course in Basel, Switzerland in October and also were placed in the attachment training in National Association of Testing Authority (NATA), Australia.



Collaborate with foreign countries with high growth profiles with the aim of benefiting from our involvement in the standards economy.





- **Forest Plantations Programme:** STANDARDS MALAYSIA is keen to expand the scope of FMC accreditation programme to include the scope of Forest Plantations. The standard used for the certification of forest plantations in Malaysia is the Malaysian Criteria and Indicators for Forest Management Certification (Forest Plantations) or in short the MC&I (Forest Plantations). The Technical WG for FMC has been activated and the first meeting, which was conducted on November 5, 2009, discussed the supporting document/ accreditation requirements for this programme. STANDARDS MALAYSIA plans to launch this scope of FMC accreditation programme before the end of 2010.
- **5 “S”:** STANDARDS MALAYSIA is keen to develop the Quality Environment Practices (5S) Accreditation programme. 5S is the acronym for five Japanese words: *Seiri, Seiton, Seiso, Seiketsu* and *Shitsuke* with principles that focus on qualities that can make an organisation to be better equipped to win new opportunities in an increasingly competitive global marketplace. STANDARDS MALAYSIA has identified Technical WG experts, who will be responsible for developing the documentation and related accreditation requirements for this programme that will be mobilised in 2010.

● Active Contribution to Industries

As in previous years, emphasis was given in 2009 to promote the relevance of standards and accreditation for industries to make further advancement in the development of products and services. One of the main approaches taken in 2009 was the identification of “industry champions” in selected sectors, which could set the pace for others in the industry to follow. STANDARDS MALAYSIA has identified some of these champions, such as Nestle for the food industry and Chemicals Company of Malaysia for the pharmaceutical sector. Working with these champions can help ensure that products manufactured in Malaysia are of high quality standards and are competitive, which can contribute towards better pricing and bigger market share.

Priority was given in 2009 for the following industrial and services sectors:

- **Services Related to SR:** In line with the emphasis on the development of a standard to provide guidelines for SR at the ISO level, STANDARDS MALAYSIA actively participated in many international meetings related to this subject. ISO is in the process of developing an international standard to provide guidelines for SR with the guidance standard targeted for publication in 2010 as ISO 26000. It is expected to promote respect and responsibility based on known reference documents without stifling creativity and development of SR programmes. It will also encourage voluntary commitment to SR and will lead to common guidance on concepts, definitions and methods of evaluation.
- **Halal Industry:** With the halal industry continuing to show tremendous potential for growth, STANDARD MALAYSIA continued



to pursue the Phase 1 of promoting the existing halal MS and this went smoothly. Phase 2 involved the development of new standards governing various halal products in the country. Developing countries are looking at Malaysia as a vehicle to help them develop halal standards. STANDARDS MALAYSIA has reciprocated by conducting training programmes to help them meet the requirements of MS governing halal. This is a strategic direction taken by STANDARDS MALAYSIA to further promote MS as well as facilitate trade between countries. STANDARDS MALAYSIA also maintained active participation in SEG at OIC level. More importantly, STANDARDS MALAYSIA stood firm behind all Government's initiatives to support the strengthening of Malaysia's position as the region's halal hub.

- **Iron and Steel Industry:** STANDARDS MALAYSIA developed 56 provisional MS to support the new policies of MITI in order to liberalise the iron and steel sector. These include standardisation in the field of cast irons, cast, wrought, rolled and formed steels and coated steels.
- **Toys Manufacturing Sector:** STANDARDS MALAYSIA supported the Ministry of Domestic Trade, Co-operative and Consumerism (MDTCC) by developing standards related to mechanical and physical properties of toys, flammability, migration or transfer of elements, safety of electric toys and graphical symbol for age warning labelling.
- **Non-Destructive Testing (NDT) Inspection Services:** STANDARDS MALAYSIA began to embark on efforts to ensure that the structure, human resource and specific requirements for this sector would be in place.

● **Completion of Studies and Audit**

Two major studies were completed, namely the Study on the Impact of Standards and Accreditation on the Economy of Malaysia and the Study on Standardisation Needs for Malaysia. The studies supported the production of indicators that showed how standards and accreditation contributed to the economic development and well-being of the nation as well as identified the specific needs of the country pertaining to standardisation matters. Also conducted in 2009 was the audit on SIRIM Berhad's standardisation processes and procedures. SIRIM Berhad was appointed by STANDARDS MALAYSIA to help develop standards on the technical level.

● **Capacity and Capability Building**

Among the measures taken in 2009 to enhance the capacity and capability of STANDARDS MALAYSIA's human resources was sending staff members to attend relevant training in the country and overseas so that they would gain the necessary knowledge and skills to perform better in their job functions. In 2009, selected staff members were sent for overseas training attachments involving Standardisation Programme as well as System and Policy Development in Standardisation at Korea Standards Association and Japanese Standards Association and observing the GLP Inspection with NATA, Australia respectively. Staff members were also sent to attend local and international seminars, meetings and discussions on technical and other matters relevant to standardisation and accreditation.

The Way Forward

While STANDARDS MALAYSIA has made much progress in the past year, a lot more remains to be done. High on the agenda is to ensure that Malaysia creates products of the same standards for both domestic and international consumptions. There should not be double standards – superior quality of products for export but inferior products for the local market. There is a tendency to adhere to standards when it comes to supplying internationally but similar action seems to be lacking when it comes to domestic supply. For example, the local market is flooded with fruits that are not complying to standards. Other examples are the manufacture of toys and sub-standard water filters locally which are still lacking conformance to safety and quality standards. There must be concerted efforts by all concerned, such as producers, retailers, NGOs and relevant Government bodies including regulators to address these issues and to initiate the development of indigenous standards, such as for local fruits, toys and other products for the domestic market which must also be well taken care of. This particularly requires the support of small and medium-sized enterprises (SMEs), which constitute more than 90% of businesses in Malaysia, to comply with standards and quality requirements that can help them improve the acceptance of their products among consumers. As an incentive for SMEs to adopt this approach, standards can be set as a criterion for SMEs to get grants from Government bodies, such as the SME Corporation Malaysia (SME Corp). STANDARDS MALAYSIA has been working with SME Corp to help SMEs improve the standards of locally made products.

Other issues posed some challenges which required us to deal with them effectively so that we will remain focused on achieving our objectives. The issues include the smooth implementation of mandatory standards and the availability of withdrawn foreign standards that contain outdated acts and regulations, which have been brought up in meetings with regulators using the Central Coordinating Body for Standards and Technical Regulation in Malaysia (CCB) forum to co-ordinate better implementation. However, CCB has yet to receive the mandate or authority to deal with the issue. Another issue involves the lack of understanding and commitment on the part of regulatory bodies and implementation agencies on giving notification to World Trade Organization (WTO) concerning new technical regulations. Continuous explanations through relevant meetings have been given with the aim of addressing this issue. There is also a lack of industry participation in international standardisation activities and application has been made to the Ministry of Finance to offer incentive in the form of double tax deduction for companies that participate in such activities.

In driving standards and accreditation, STANDARDS MALAYSIA continues to rely on our staff members to perform effectively, and the performance of the previous years has attested to the capability of our people to deliver. However, there is still a competency gap at the middle level and this is being addressed by consistently providing the necessary training and exposure so as to create more knowledgeable and experienced mid-level officers with whom the future of the organisation lies. There is also a continuous need to have highly competent and skilled staff

“ In driving standards and accreditation, STANDARDS MALAYSIA continues to rely on our staff members to perform effectively, and the performance of the previous years has attested to the capability of our people to deliver. ”

members to represent the organisation and also the country at international-level meetings and other gatherings so that our interests and objectives will be effectively met.

Staff members of STANDARDS MALAYSIA are placed in three categories: top management, managerial and professional group as well as support group. In 2009, the position at the top management level was filled 100% while we achieved 88.10% for the managerial and professional group and 96.16% for the support group. This was almost similar to the performance in the previous year that indicated some difficulty in obtaining qualified, experienced and competent people to fill vacancies in the managerial and professional group.

In financial management, STANDARDS MALAYSIA continued to perform well in 2009. Operational expenditure amounted to RM19,186,320.22 or 92.43% of the revised allocation of RM20,757,827.00. The expenditure was incurred for emolument, services, assets and grants. As for development expenditure, RM6,470,850.00 or 96.71% of the total allocation of RM6,691,000.00 was incurred for development of standards, proficiency testing for calibration under the SAMM scheme, Study on the Impact of Standards and Accreditation on the Economy of Malaysia and Study on Standardisation Needs for Malaysia as well as upgrading the organisation's infrastructure.

Total revenue collected in 2009 amounted to RM2,093,192.84 from fees for accreditation scheme, processing fees, sales of documents and miscellaneous items.

Some of the activities which have been identified for implementation in the near future include the continuous development of MS with the target of developing 450 MS per year; appointment of Standards Development Organisations; development of Education Curriculum on Standardisation in institutes of higher learning; embarking on the Third Study on Standardisation Needs and the First Study on the Usage of Malaysian Standards; and the continued implementation of action plans as spelt out in the National Standards Strategy and Action Plan (NSSAP). The NSSAP seeks to provide a common approach to Malaysian standardisation activities, widen awareness of standards by the Government, private sector and consumers, and enhance Malaysia's presence in regional and international initiatives. STANDARDS MALAYSIA will review the NSSAP to ensure that the strategies and action plan will remain current and valid, and follow through with our Five-year Strategic Plan that ends in 2010 and then prepare for the onward journey towards 2020. We realise the path will be full of challenges but with the commitment and support of every one at every level of the organisation as well as the guidance of our top leadership, we will continue to advance standards and accreditation for the benefit of the nation.



SNAPSHOTS: PROMOTIONAL AND OTHER ACTIVITIES

Promotional activities are carried out with specific aims including to raise the awareness of various parties including the public, industry and NGOs on the importance of standards and accreditation. These pages show some of the promotional and other activities that took place in 2009.



Awareness Seminar on QMS for Islamic Perspectives, July 2, 2009 in Malacca

STANDARDS MALAYSIA's booth at the *Pameran Kluster Industri MOSTI*, March 31, 2009



STANDARDS MALAYSIA Forum with Enforcement and Regulatory Bodies, December 14, 2009, Equatorial Hotel Bangi



Majlis Anugerah Standard dan Akreditasi Kebangsaan 2009, November 19, 2009, Equatorial Hotel Bangi



One for the album during the visit of ISO President, Dr. Alan Morrison to STANDARDS MALAYSIA, February 10, 2009



STANDARDS MALAYSIA Forum with Enforcement and Regulatory Bodies on December 14, 2009 at Equatorial Hotel, Bangi



The meeting between Malaysian Standards and Accreditation Council (MSAC) members and Minister of MOSTI, Y.B. Datuk Seri Dr. Maximus Johnity Ongkili, August 18, 2009

Promotional Programmes Organised by STANDARDS MALAYSIA

- National Consultation on MS ISO/IEC 17021
- Seminar on Carbon Footprint
- Workshop on Road Safety Management System
- International Standards Workshop for Oil and Gas Industry in Malaysia funded by Petronas
- Forum on MS 1500 (Second Revision)
- Seminar on ISO Statistical Methods and Trends and the Development of Measurement Uncertainty Evaluation
- National Consultation on Societal Security
- Seminar on MS for Waste Management Standards
- Awareness Seminar on Information Technology (IT) Inter-connection, Communication and System Information Standards and Practices.
- Seminar on Promotion of MS 2030 (Overvoltage in Low Voltage Network)
- Workshop on MS 1963: 2007 - Air quality – Olfactometry
- National Consultation on Energy Management Standards
- Consultation Forum on Draft MS Adoption of EC 2 (held jointly with IEM)
- Seminar on MS 825 - Code of Practice for the Design of Road Lighting
- Seminar on Risk Management Standards
- Seminar on MS for Fresh Agricultural Produce
- Seminar on MS 2019 - Standard Sizing System for Clothing (jointly organised with University of Malaya)
- Seminar on Implementation of MS for Medical Devices Act
- National Consultation Forum on Standards for Biotechnology
- Seminar on Green Procurement and Eco-labelling - What, why and how?
- Seminar on Updates on ISO 14000 series of standards on environmental management for sustainable development
- Essay writing and Photography Competition on Standards
- Awareness Seminar on Standards for Teachers held in Negeri Sembilan, Melaka, Kelantan, Terengganu, Kedah, Pulau Pinang, Sabah, Sarawak and Perak
- Awareness Seminar on Public Toilets
- Seminar on MS 1500 in Melaka, Johor Bahru and Tawau, Sabah



*Mrs. Fadilah Baharin,
Director General of
STANDARDS MALAYSIA with
Mr. Nabil Amen Molla, Governor,
Saudi Arabian Standards
Organisation (SASO),
June 12, 2009*

- Seminar on Quality Management Systems (MS 1900: 2005) – Requirements from Islamic Perspectives
- Halal Industry National Development Programme for Pahang
- Standards promotional campaign through the electronic media – TV9, Radio IKIM.fm, Radio 24.fm, interactive PPIM portal
- United Integrated Systems (UIS) project for the development of halal standard logistic
- Workshop on Method Validation and Traceability in Chemical Metrology
- International Accreditation Day national-level celebration, including forum with accredited laboratories and CBs

Participation in Exhibitions and Other Events

- Malaysia International Halal Showcase (MIHAS) 2009 organised by MITI, MATRADE, MECD and YADIM
- SMIDEX 2009 organised by SME Corp.
- Malaysia International Food & Beverages 2009 organised by Kumpulan Utusan and Expomal International
- LabAsia 2009 organised by ECMI Trade Fairs S.E.A. Sdn. Bhd.
- BioMalaysia 2009 organised by Malaysian Biotechnology Corporation Sdn. Bhd.
- Malaysian Halal Conference & Exhibitions (MHCE 2009) organised by Khaaz International Sdn. Bhd.
- Briefing Programme with Industries organised by MDTCC on mandatory safety standards for toys
- International Conference on Universal Design for Built Environment organised by Universiti Islam Antarabangsa Malaysia (UIAM)

Regional and International Meetings Hosted

- Meeting on ISO/TC 207 - Chairman's Advisory Group (CAG), ISO/TC 207/SC 7/WG 2 - GHG management in the value or supply chain, ISO/TC 207/SC 3 - Environmental labelling, ISO/TC 207/SC 5/WG 7 - ISO 14045 on Eco-efficiency assessment, ISO/TC 207/SC 4 - Environmental Performance Evaluation

- ACCSQ Medical Device Product Working Group (MDPWG) Meeting
- ACCSQ ASEAN Cosmetic Committee (ACC) Meeting
- Meeting on ISO/TC 241 - Road Safety Management System
- Meeting on ISO/TC 30/SC 5/WG 1 - Ultrasonic Flow Measurement for Gas
- Meeting on ISO/TC 69 - Statistical Techniques
- Meeting on ISO/TC 240 - Product Recall

Regional and International Meetings Attended

- 17th ACCSQ WG 2 Meeting, Bali, Indonesia
- APEC SCSC Meeting, Singapore
- IAF TC Meeting, Mumbai, India
- Pacific Area Standards Congress (PASC), Australia
- 33rd ACCSQ and Related Meetings, Singapore
- 34th ACCSQ Meetings and Related Meetings Indonesia
- ACCSQ WG1 and Task Force on Building & Construction, Indonesia and Lao PDR
- ISO General Assembly (GA) Meeting, South Africa
- ISO COPOLCO Meeting, India
- Asia-Pacific Economic Co-operation (APEC) Joint Advisory Committee Electrical & Electronic Equipment (JAC EE) MRA Meeting, Singapore
- ILAC/IAF Conference 2009, Vancouver, Canada
- 8th ACCSQ Joint Sectoral Committee Electrical & Electronic Equipment (JSC EEE) Meeting, Kuala Lumpur
- 16th PAC Plenary Meeting, Taiwan
- 25th ISO/CAS CO Plenary 2009, Geneva
- 9th ILAC Accreditation Issues Committee & 8th ILAC Proficiency Testing Consultative Group, Poland
- 15th APLAC General Assembly and Technical Meetings, Indonesia

25th Economic and Commercial Co-operation of the Organisation of the Islamic Conference (COMCEC) Meeting, November 6-8, 2009 in Istanbul, Turkey





Asia Pacific Laboratory Accreditation Co-operation (APLAC) General Assembly Meeting, December 5-12, 2009 in Bali, Indonesia



WTO Regional Workshop on Issues Arising from the Implementation of the Agreement on Technical Barriers to Trade for Asian Economies, November 24-26, 2009 in Hanoi, Vietnam



IAF Technical Committee Meeting, March 1-5, 2009, in Mumbai, India



33rd ACCSQ and its Related Meetings, March 16-20, 2009 in Singapore



The 10th Meeting of the OIC Standardisation Experts Group on "The Development of the OIC Halal Food Standards and the Procedures", April 25-May 1, 2009, in Ankara, Turkey



Malaysia-Guangzhou Bilateral Trade Standards Co-operation, July 2-5, 2009 in Guangzhou, Republic of China

Y.B. Tuan Haji Fadillah b. Haji Yusof, Deputy Minister of MOSTI during the Opening Ceremony of Forum with SAMM Laboratories in conjunction with the International Accreditation Day 2009, June 9, 2009, Shah Alam



STANDARDS MALAYSIA was accepted as a signatory to International Accreditation Forum Multilateral Recognition Arrangement (IAF MLA) for product certification on July 9, 2009. The IAF MLA signatory document for this programme was officially presented during the IAF GA on October 19, 2009 in Vancouver, Canada



KEY INDICATORS

PERFORMANCE INDICATORS 2009

STANDARDS

Figure 1:

Number of MS Developed by Sectors in 2009

Sectors	No. of MS Developed
Agriculture	6
Chemicals and Materials	30
Building, Construction and Civil Engineering	19
Power Generation, Transmission and Distribution of Electrical Energy	70
Mechanical Engineering	24
Information Technology, Telecommunication and Multimedia	43
Petroleum and Gas	33
Halal Standards	3
Plastics and Plastics Products	11
Packaging and Distribution	5
Road Vehicles	12
Fire Safety and Prevention	13
Rubber and Rubber Products	2
Organisational Management	0
Iron and Steel	64
Textiles and Apparels	12
Medical Devices and Facilities for Healthcare	24
Electrical Equipment and Accessories	40
Food and Food Product	12
Tourism, Exhibition and Hospitality Services	0
Occupational Health and Safety	13
Quality Management and Quality Assurance	1
Environmental Management	6
TOTAL	443

Figure 2:

Status of Development of MS in 2009

MS Development	Target 2009	MS Developed in 2009	Achievements (%)
Adopted	200	308	154.00
Indigenous	50	35	70.00
Revision	50	100	200.00
TOTAL	300	443	147.67

Total MS developed in 2009 was 443, which exceeded the target of developing 300 MS for the year by 147.67%.

Figure 3:
Total Mandatory Standards by Sectors in 2009

Sectors	No. of Mandatory Standards
Agriculture	38
Chemicals and Materials	10
Building, Construction and Civil Engineering	37
Power Generation, Transmission and Distribution of Electrical Energy	97
Mechanical Engineering	3
Information Technology, Telecommunication and Multimedia	5
Petroleum and Gas	3
Road Vehicles	8
Fire Safety and Fire Protection	6
Iron and Steel	18
TOTAL	225

In 2009, 225 standards have been made mandatory with the highest for the Power Generation, Transmission and Distribution of Electrical Energy sector (97) followed by Agriculture (38) and Building, Construction and Civil Engineering (37).

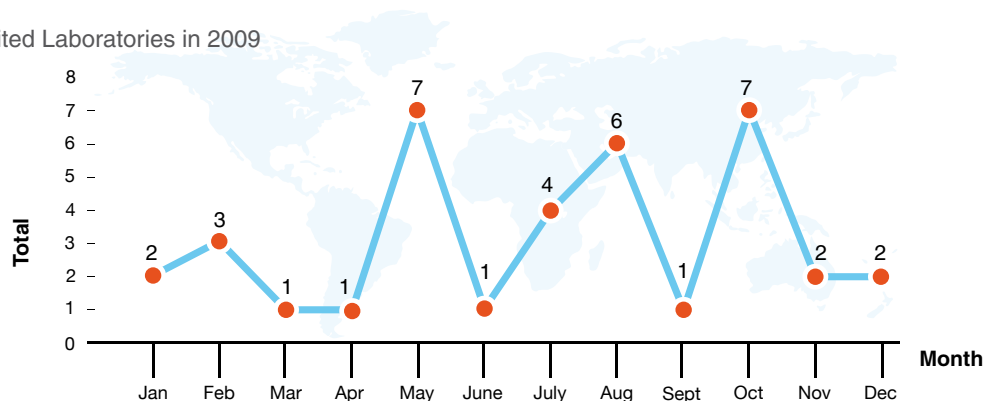
ACCREDITATION

Figure 4:
New Applications Received in 2009 (SAMM)

	Calibration Laboratories	Testing Laboratories	Medical Laboratories	Total
New Applications	6	40	7	53

In 2009, a total of 53 new applications were received with applications from Testing Laboratories recording the highest number at 40.

Figure 5:
Total Accredited Laboratories in 2009



A total of 37 laboratories were accredited in 2009.

Figure 6:

Names of New Laboratories Accredited in 2009

No.	Laboratory Names	Field
1	BCOT Laboratories, PETRONAS Carigali Sdn. Bhd.	T
2	Industrial Hygiene Analytical Laboratory, NIOSH	T
3	NaNOC Sdn. Bhd.	T
4	BASF (M) Sdn. Bhd.	T
5	MyPRO Technologies Sdn. Bhd.	T
6	CT Laboratories, Bonric Sdn. Bhd.	T
7	CSK Technologies Sdn. Bhd.	C
8	Pantai Premier Pathology Sdn. Bhd. (Ipoh Branch)	MT
9	Pantai Premier Pathology Sdn. Bhd. (Ayer Keroh Branch)	MT
10	Pantai Premier Pathology Sdn. Bhd. (Penang Branch)	MT
11	Special Gases Laboratory, MOX-Linde Gases Sdn. Bhd.	T
12	Pantai Premier Pathology Sdn. Bhd. (Johor Bahru Branch)	MT
13	Mizulab Sdn. Bhd.	T
14	Pantai Premier Pathology Sdn. Bhd. (Batu Pahat Branch)	MT
15	Felda Analytical Laboratory Sabah	T
16	Masterchem Laboratory Sdn. Bhd.	T
17	Transformer Oil Lab & Services Sdn. Bhd.	T
18	Cryocord Sdn. Bhd.	MT
19	Makmal Ujian Bahan Binaan, CIDB Holdings Sdn. Bhd.	T
20	University Malaya Medical Centre (UMMC)	MT
21	Southern Water Corporation Sdn. Bhd.	T
22	Penjom Gold Mine Laboratory, Specific Resource Sdn. Bhd.	T
23	Chemical Engineerin Pilot Plant (CEPP), UTM	T
24	Sterilgamma (Kulim) Sdn. Bhd.	T
25	ESI Laboratory Sdn. Bhd.	T
26	RM4 laboratory, Southern Steel Berhad	T
27	Mediscan Laboratories Sdn. Bhd.	MT
28	MMSB Laboratory, MTBE Malaysia Sdn. Bhd.	T
29	Lahad Datu Edible Oils Sdn. Bhd.	T
30	Sime Darby Medical Centre Laboratory, Subang Jaya	MT
31	HG Solution Sdn. Bhd.	T
32	Metallurgical Consultancy and Services Sdn. Bhd.	T
33	R&D Centre Sabah, Sime Darby Research Centre	T
34	DNA Laboratories Sdn. Bhd.	T
35	Allied Calibration Engineering Services Sdn. Bhd.	C
36	Central Laboratory Services, Indah Water Konsortium	T
37	Damini Corporation Sdn. Bhd.	T

*MT – Medical Testing**T – Testing**C – Calibration*

The names of the laboratories accredited in 2009 are listed in the figure above.

Figure 7:

Withdrawn Laboratories since 1996

	Calibration Laboratories	Testing Laboratories	Testing and Calibration Laboratories	Total
Total Withdrawn	22	57	1	80

Accreditations for 80 laboratories were withdrawn since 1996.

Figure 8:

Accredited Certification by Sectors in 2009

No	Sectors	QMS	EMS	OSH		PC
		ISO 9001:2000 /2008	ISO 14001:2004	OHSAS 18001:1999 & OHSAS 18001:2007	MS 1722 Part 1:2005	
1	Agriculture, fishing	27	6	1	0	-
2	Mining and quarrying	16	8	1	1	-
3	Foods products, beverage and tobacco	232	99	95	7	-
4	Textiles and textile products	47	4	1	0	-
5	Leather and leather products	3	-	0	0	-
6	Wood and wood products	42	5	0	0	-
7	Pulp, paper and paper products	99	26	6	1	-
8	Publishing companies	7	1	0	0	-
9	Printing companies	37	17	2	0	-
10	Manufacture coke and refined petroleum products	21	8	3	0	-
11	Nuclear fuel	1	-	0	0	-
12	Chemicals, chemical products and fibres	219	53	23	8	-
13	Pharmaceuticals	8	1	1	0	-
14	Rubber and plastic products	350	90	11	0	24
15	Non-metallic mineral products	51	12	1	0	255
16	Concrete, cement, lime, plaster etc.	125	11	11	2	16
17	Basic metals and fabricated metal products	434	84	27	3	17
18	Machinery and equipment	124	15	7	1	131
19	Electrical and optical products	339	157	39	5	133
20	Shipbuilding	9	-	0	0	-
21	Aerospace	9	1	1	0	-
22	Other transport equipment	50	23	11	1	-
23	Manufacturing not elsewhere classified	49	6	4	1	-
24	Recycling	17	18	3	2	-
25	Electricity supply	33	27	17	6	-
26	Gas supply	1	1	0	0	-
27	Water supply	24	3	0	0	-

Figure 8 (continued):

Accredited Certification by Sectors in 2009

No	Sectors	QMS	EMS	OSH		PC
		ISO 9001:2000 /2008	ISO 14001:2004	OHSAS 18001:1999 & OHSAS 18001:2007	MS 1722 Part 1:2005	
28	Construction	785	33	38	20	-
29	Wholesale and retail trade: repair of motor vehicles, motorcycles, personal and household goods	182	19	9	1	-
30	Hotels and restaurants	19	9	3	1	-
31	Transport, storage and communication	172	12	18	4	-
32	Financial intermediation; real estate; renting	128	2	1	0	-
33	Information technology	54	1	0	0	-
34	Engineering services	290	23	21	5	-
35	Other services	152	11	14	2	-
36	Public administration	287	9	1	1	-
37	Education	214	1	1	0	-
38	Health and social work	223	1	2	0	-
39	Other social services	82	5	0	0	-
	Total	4,962	802	373	72	576

Figure 9:

List of New Accredited CBs in 2009

No	Name of CB	Programme
1	IKRAM QA Services Sdn. Bhd.	Product Certification
2	Moody International Certification (M) Sdn. Bhd	FSMS
3	NQA Certification Services (M) Sdn. Bhd.	QMS
4	SGS (M) Sdn. Bhd.	FMC Product Certification
5	SIRIM QAS International Sdn. Bhd.	FMC

Figure 10:
Number of Applications Received in 2009 (ACB Scheme)








Programme	Number of Application Received
QMS	2
PC	1
FSMS	1
FMC	2
Personnel	1
Total	7

Figure 11:
Number of Accredited Conformity Assessment Bodies in 2009

Scheme	Cumulative up to 2008	2009	Cumulative up to 2009	Accreditation Symbols
ACB (QMS Programme)	11	1	12	 MS ISO/IEC GUIDE 17021: 2006 Accreditation Symbol for Quality Management System (QMS)
ACB (EMS Programme)	8	0	8	 MS ISO/IEC GUIDE 17021: 2006 Accreditation Symbol for Environmental Management System (EMS)
ACB (PCB Programme)	2	2	4	 MS ISO/IEC GUIDE 65: 2000 Accreditation Symbol for Product Certification Bodies (PCB)
ACB (OSH Management System)	3	0	3	 MS ISO/IEC GUIDE 17021: 2006 Accreditation Symbol for OSH Management System (OSH MS)
ACB (HACCP Systems)	3	0	3	 MS ISO/IEC GUIDE 17021: 2006 Accreditation Symbol for HACCP Systems

Figure 11 (continued):

Number of Accredited Conformity Assessment Bodies in 2009

Scheme	Cumulative up to 2008	2009	Cumulative up to 2009	Accreditation Symbols
ACB (ISMS)	0	0	0	 MS ISO/IEC GUIDE 27006: 2007 Accreditation Symbol for Information Security Management Systems (ISMS)
ACB (FMC)	0	2	2	 MS ISO/IEC GUIDE 17021: 2006 Accreditation Symbol for Forest Management Certification (FMC)
ACB (FSMS)	1	1	2	 ISO/TS 22003: 2007 Accreditation Symbol for Food Safety Management Systems (FSMS)
ACB (Personnel)	0	0	0	 MS ISO/IEC 17024: 2003 Accreditation Symbol for Certification of Persons
SAMM	410	37	447	 MS ISO/IEC 17025 Accreditation Symbol for Laboratories (Testing and Calibration)
				 MS ISO 15189 Accreditation Symbol for Laboratories (Medical Testing)
MIBAS	0	0	0	 MS ISO/IEC 17020 Accreditation Symbol for Inspection Bodies

Note: Accredited conformity assessment bodies are allowed to use STANDARDS MALAYSIA accreditation symbols as indicated in Figure 11.

Figure 12:

Total Laboratory Assessments in 2009

Type of Assessment	Jan	Feb	Mac	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Adequacy Audit	2	10	2	4	5	5	1	6	1	7	6	1	50
Pre-Assessment	3	5	8	6	2	3	1	3	4	7	8	1	51
Compliance	6	6	1	3	1	3	7	2	2	1	5	3	40
Surveillance 1	20	13	20	16	8	9	11	11	16	22	24	1	171
Surveillance 2	2	0	0	0	1	0	4	3	7	10	5	3	40
Re-Assessment	8	9	11	11	12	10	12	10	7	4	4	0	98
Extension of Scope	4	2	4	6	6	7	7	7	2	7	11	1	63
Signatory Verification	0	4	0	1	2	0	0	1	0	2	1	0	11
Surveillance and Extension of Scope	1	3	1	2	1	2	1	2	0	1	3	0	17
Re-Assessment and Extension of Scope	0	2	2	0	0	0	1	0	0	0	0	0	5
Verification	0	1	2	0	2	3	0	3	3	1	4	0	19
Relocation	0	0	0	0	1	0	0	0	0	1	0	0	2
TOTAL	46	54	51	49	41	42	45	48	42	63	71	7	559

A total of 559 assessments were made in 2009 with the highest total of 71 recorded in November.

CUMULATIVE PERFORMANCE

STANDARDS

Figure 1:

The Development Progress of Malaysian Standards from 1996-2009



Cumulative MS developed from 1996 to 2009 was 5,792. The cumulative figure rose from year to year except in year 2001.

Figure 2:

Number of MS Developed Every Year From 2006-2009

Year	No. of MS Developed
2006	503
2007	547
2008	577
2009	443

The number of MS developed in 2009 was 443.

Figure 3:

Status of Development of MS from 2006-2009

Year	2006	2007	2008	2009
Number of MS	4,570	5,060	5,518	5,792
Target	6,000	6,000	6,000	6,000

The cumulative total of 5,792 MS developed by the year 2009 represented 96.53% of the national target of 6,000 MS to be developed by the year 2010 when the remaining 3.47% has been targeted for completion.

Figure 4:

Number of MS Aligned to International Standards from 2006-2009

Year	Number of MS Developed	No. of MS Aligned to Internal Standards
2006	4,570	2,436
2007	5,060	2,563
2008	5,518	3,053
2009	5,792	3,481

As at 2009, out of 5,792 MS developed, 3,481 or 60.1% were aligned to international standards.

Figure 5:

Cumulative Number of Mandatory Standards from 2006-2009

Year	No. of MS
2006	123
2007	127
2008	210
2009	225

Cumulative mandatory standards had been increased from 123 MS in 2006 to 225 MS in 2009.

Figure 6:

Cumulative Number of MS Developed by Sectors as at December 31, 2009

Sectors	Number of MS
Agriculture	580
Chemicals and Materials	721
Building, Construction and Civil Engineering	286
Power Generation, Transmission and Distribution of Electrical Energy	831
Mechanical Engineering	320
Information Technology, Telecommunication and Multimedia	698
Petroleum and Gas	223
Halal Standards	6
Plastics and Plastics Products	368
Packaging and Distribution	105
Road Vehicles	191
Fire Safety and Prevention	91
Rubber and Rubber Products	190
Organisational Management	5
Iron and Steel	162
Textiles and Apparels	264
Medical Devices and Facilities for Healthcare	211
Electrical Equipment and Accessories	119
Tourism, Exhibition and Hospitality Services	7
Food and Food Products	60
Occupational Health and Safety	158
Quality Management and Quality Assurance	125
Environmental Management	71
TOTAL	5,792

Cumulative number of MS developed up to December 31, 2009 was 5,792. The highest number of MS developed was in the Power Generation, Transmission and Distribution of Electrical Energy (831) followed by Chemical and Materials (721) and Information Technology, Telecommunication and Multimedia (698). The lowest number of MS developed was in Organisational Management (5).

Figure 7:

Alignment of Cumulative MS to International Standards as at December 31, 2009

Field	(31 December 2009)		
	Cumulative MS developed	Aligned MS Identical	Modified
Agriculture	580	123	6
Chemicals and Materials	721	359	52
Building, Construction and Civil Engineering	286	64	4
Power Generation, Transmission and Distribution of Electrical Energy	831	615	32
Mechanical Engineering	320	143	5
Information Technology, Telecommunication and Multimedia	698	638	3
Petroleum and Gas	223	107	5
Halal Standards	6	34	0
Plastics and Plastics Products	368	106	14
Packaging and Distribution	105	2	0
Road Vehicles	191	86	12
Fire Safety and Prevention	91	67	2
Rubber and Rubber Products	190	181	19
Organisational Management	5	43	0
Iron and Steel	162	32	15
Textiles and Apparels	264	6	0
Medical Devices and Facilities for Healthcare	211	181	2
Electrical Equipment and Accessories	119	43	7
Food and Food Product	7	32	3
Tourism, Exhibition and Hospitality Services	60	6	0
Occupational Health and Safety	158	138	4
Quality Management and Quality Assurance	125	114	2
Environmental Management	71	52	0
TOTAL	5,792	3,293	188
RATE OF ALIGNMENT		60.10%	

The percentage of cumulative MS developed and aligned to international standards as at December 31, 2009 was 60.10%.

ACCREDITATION

Figure 8:

Number of Accredited Laboratories from 1996-2009

Field	Total Number of Accredited Laboratories	
	Cumulative	Active
Testing	346	289
Calibration	73	51
Testing and Calibration	14	13
Medical Testing	14	14
Total	447	367

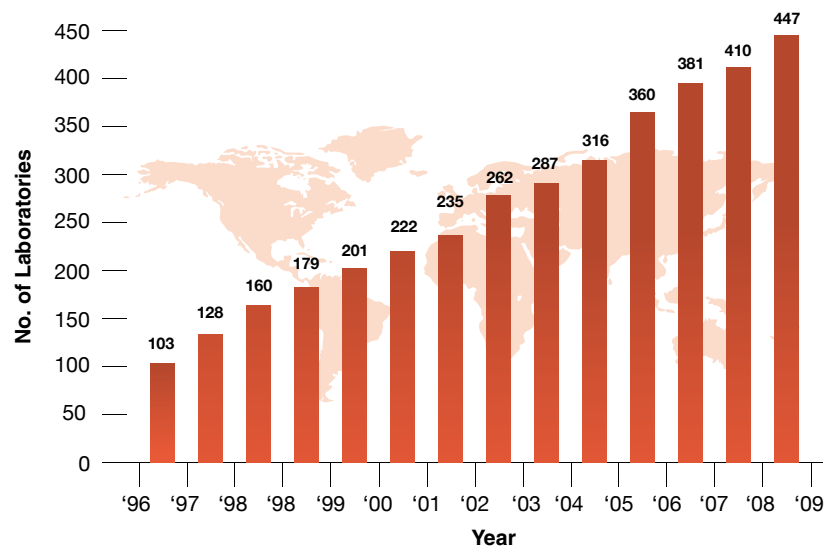
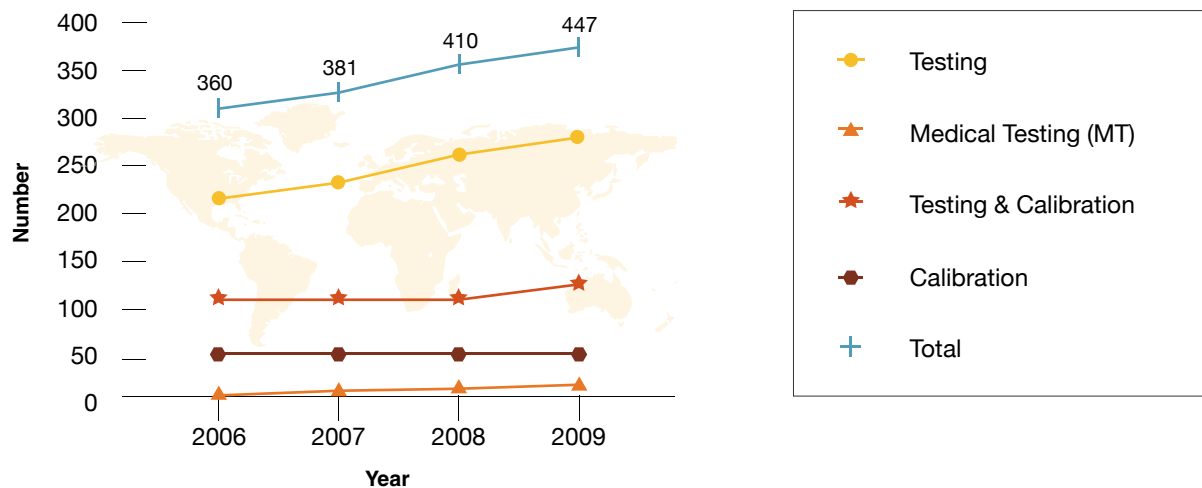


Figure 9:

Breakdown of the Number of Accredited Laboratories from 2006-2009



In 2009, 447 laboratories were accredited, which was a marked increase from previous years.

Figure 10:

Number of CBs Accredited from 2006-2009

Accreditation Programme	CBs Accredited				Total Cumulative Number of Accredited CBs as at December 31, 2009
	2006	2007	2008	2009	
QMS	2	1	0	1	12
EMS	3	0	1	0	8
PC	1	0	0	2	4
OSH	0	1	1	0	3
HACCP Systems	0	1	2	0	3
ISMS	0	0	0	0	0
FMC	N/A	0	0	2	2
FSMS	N/A	N/A	1	1	2
Personnel	N/A	N/A	0	0	0

N/A: indicates that the programme was not offered during the year.

Number of certification bodies accredited by STANDARDS MALAYSIA from year 2006 to 2009 according to various programmes offered.

PARTICIPATION AT ISO/IEC LEVEL

Figure 11:

Summary of Malaysia's Participation in ISO TCs

Type	TC		SC		Total	
	2008	2009	2008	2009	2008	2009
"P" Member	5	1	4	5	1	6
"O" Member	0	1	6	2	1	3

Figure 12:

Summary of Malaysia's Participation in IEC TCs

Type	TC		SC		Total 2009
	2008	2009	2008	2009	
"P" Member	1	0	0	0	1
"O" Member	0	1	1	0	1

STANDARDS MALAYSIA held only one "O" (Ordinary) membership in 2009 in IEC TC.

Figure 13:

Total Number of Participating “P” Membership of ISO and IEC in 2009

ISO	IEC
119	18

Malaysia’s total “P” memberships in both ISO and IEC in 2009 are 119 and 18 respectively.

Figure 14:

Number of ISO TC/SC Secretariat held by STANDARDS MALAYSIA

- ISO/TC 45 (Rubber and Rubber Products)
- ISO/TC 45/SC 1 (Rubber and Plastic Hoses)
- ISO/TC 45/SC4 (Products, other than hoses)
- ISO/TC 157 (Mechanical Contraceptives)
- ISO/PC 240 (Product Recall)

Figure 15:

Number of Chairmanship held by STANDARDS MALAYSIA

- ISO/TC 45 (Rubber and Rubber Products)
- ISO/TC 45/SC 4 (Products, other than hoses)
- ISO/TC 157 (Mechanical Contraceptives)
- ISO/TC 207/SC 7 (Green house gas management and related activities)

Figure 16:

Number of Convenorship held by STANDARDS MALAYSIA

- ISO/TC 45/SC 3/WG 4 - Natural rubber
- ISO/TC 45/SC 4/WG 5 - Gloves for medical application
- ISO/TC 61/SC 2/WG 2 - Hardness and surface properties
- ISO/TC 157/CAG - Mechanical contraceptives (Chairman Advisory Group)
- ISO/TC 218/WG 4 - Test methods

ABBREVIATIONS

ACB	Accreditation of Certification Bodies	MOSTI	Ministry of Science, Technology and Innovation
ACC	ASEAN Cosmetic Committee	MRA	Mutual Recognition Arrangements
ACCSQ	ASEAN Consultative Committee for Standards and Quality	MS	Malaysian Standards
APEC	Asia-Pacific Economic Co-operation	MSAC	Malaysian Standards and Accreditation Council
APLAC	Asia Pacific Laboratory Accreditation Co-operation	MTCP	Malaysian Technical Co-operation Programme
ART	Assisted Reproductive Technology	MyENC	Malaysian Electro-technical National Committee
ASEAN	Association of South East Asian Nations	MyGLP	Malaysian Good Laboratory Practice
CAG	Chairman's Advisory Group	MyNAC	Malaysian National Accreditation Committee
CASCO	Conformity Assessment Committee	MyNMTAC	Malaysian National Medical Testing Accreditation Committee
CB	Certification Bodies	MyNSC	Malaysian National Standards Committee
CCB	Central Co-ordinating Body	NAC	National Accreditation Council
COPOLCO	Committee on Consumer Policy	NATA	National Association of Testing Authority
COMCEC	Economic and Commercial Co-operation of the Organization of Islamic Conference	NDT	Non-destructive Testing
DEVCO	Committee on Developing Countries	NGO	Non-governmental Organisations
EMS	Environmental Management System	NSSAP	National Standards Strategy and Action Plan
FMC	Forest Management Certification	OECD	Organisation for Economic Co-operation and Development
FSMS	Food Safety Management Systems	OHSAS	Occupational Health & Safety Advisory Services
FST	Forensic Science Testing	OIC	Organisation of Islamic Conference
FTA	Free Trade Agreement	OSH	Occupational Safety and Health
GA	General Assembly	PAC	Pacific Accreditation Cooperation
GLP	Good Laboratory Practice	PASC	Pacific Area Standards Congress
HACCP	Hazard Analysis and Critical Control Point	PC	Product Certification
HDC	Halal Development Corporation	PCR	Polymerase Chain Reaction
IAF	International Accreditation Forum	PWG	Product Working Group
IDTF	Integrated Drafting Task Force	QMS	Quality Management System
IEC	International Electro-technical Commission	SAMM	Laboratory Accreditation Scheme of Malaysia
ILAC	International Laboratory Accreditation Co-operation	SASO	Saudi Arabian Standards Organisation
ISO	International Organization for Standardization	SEG	Standardisation Experts Group
IT	Information Technology	SME Corp	SME Corporation Malaysia
JAC EEE	Joint Advisory Committee for Electrical and Electronic Equipment	SME	Small and Medium-sized Enterprises
JAKIM	Department of Islamic Development Malaysia	SR	Social Responsibility
JAS-ANS	Joint Accreditation System of Australia and New Zealand	ST&I	Science, Technology and Innovation
JSC EEE	Joint Sectoral Committee for Electrical and Electronic Equipment	STANDARDS	
MATRADE	Malaysian External Trade Development Corporation	MALAYSIA	Department of Standards Malaysia
MC&I	Malaysian Criteria and Indicators	TBT	Technical Barrier to Trade
MDPWG	Medical Device Product Working Group	TC	Technical Committee
MDTCC	Ministry of Domestic Trade, Co-operative and Consumerism	TMB	Technical Management Board
MHCE	Malaysian Halal Conference and Exhibition	TWG	Technical Working Group
MIHAS	Malaysian International Halal Showcase	UIAM	Universiti Islam Antarabangsa Malaysia
MITI	Ministry of International Trade and Industry	UIS	United Integrated Systems
MLA	Multilateral Recognition Arrangements	UNIDO	United Nations Industrial Development Organization
		US	United States
		WG	Working Group
		WTO	World Trade Organization

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