



STANDARDS
MALAYSIA

Mewujudkan Budaya Kualiti Creating Quality Culture

Laporan Tahunan **2012** Annual Report

Go for Quality

We would like to reach out to all Malaysians to join us in making a difference to our nation, helping us to develop a demand for high quality products by creating a quality-conscious culture. By having such a culture, Malaysians will not settle for inferior products and services over good quality ones. Every Malaysian product and service can potentially achieve local and global market acceptability by conforming to internationally competitive Malaysian Standards (MS). Let us reach a time when the mere mention of MALAYSIA will be synonymous with QUALITY.
– STANDARDS MALAYSIA

Our Commitment

Beyond establishing the need for credible and world-class standards and accreditation services, STANDARDS MALAYSIA endeavours to create a culture of quality towards enhancing global competitiveness of Malaysian manufacturers and their products and services.

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**Minister of Science,
Technology and Innovation,
YB Datuk Seri Panglima Dr.
Maximus Johnity Ongkili, JP**

Prologue by YB Minister MOSTI

Standards ensure that products comply with safety and environmental regulations with the establishment of a framework for compliance through standards and accreditation with clearly defined policies and procedures. Our strategic economic sectors such as oil, gas and energy; palm oil & rubber; electrical and electronics; and agriculture, have been identified as significant engines of growth that are vital for Malaysia's quest to achieve high income status. Thus, it is imperative that these sectors adopt and develop more international standards rapidly so that Malaysia's products and services can compete better in the global arena.

Measures have also been carried out with various stakeholders, including industry associations and non-governmental organisations, to inculcate a demand for quality as a culture among Malaysians, a move that will also ensure consumer safety. This will certainly compel industries to produce and supply quality products and services through the adoption of standards and compliance with standards and accreditation requirements. Towards this end, the Government values the working partnership between STANDARDS MALAYSIA and its stakeholders in standards and accreditation, in propagating a culture of quality among Malaysians.

It is my fervent hope that this co-operation will continue and be enhanced as both parties complement and support each other towards achieving their common goal of increasing the quality of Malaysian products and services for the nation and the world.

Congratulations to STANDARDS MALAYSIA for its commendable performance in 2012. I am confident STANDARDS MALAYSIA will continue to excel in propagating standards and accreditation as well as inculcate the value of quality among Malaysians.



Foreword by Chairman

**Chairman of the Malaysian
Standards and Accreditation
Council (2006 - 2012),
YBhg. Tan Sri Datuk Dr.
Ahmad Tajuddin Ali**

The consumers of today are far more conscious of quality than ever before and are willing to pay for products and services that meet the highest quality specifications. When companies endeavour to meet the demand for quality, Malaysian consumers will in turn enjoy a wider choice of quality, safe and reliable products and services. Combine this with the initiative of the Government to inculcate a quality culture in the country; it is a matter of time before such a culture will be deeply and widely ingrained among all Malaysians. We can expect the new way of life for all Malaysians will be all about quality. In this respect, the renewed and sustained efforts of STANDARDS MALAYSIA to help create a quality culture among Malaysians are indeed timely and relevant. Working together with its partners in both the public and private sectors to help mobilise the agenda of the Government, STANDARDS MALAYSIA continues to develop market-driven standards and provides accreditation services to ensure that products and services supplied to the consumers are of high quality and on par with those in the international markets. Adopting international best practices and conforming to international standards can assist Malaysian companies to achieve better acceptability and marketability of their products and services in the global market. It also allows them to be more competitive internationally. Ultimately, the emphasis on quality will also help strengthen Malaysia's position as a competitive exporting country which contributes towards boosting the nation's economic performance.

Since my tenure as the MSAC Chairman ends in 2012, I would like to take this opportunity to express my appreciation to the management and staff of STANDARDS MALAYSIA for their dedication and commitment in achieving a high level of performance by meeting all the organisation's goals. The commendable performance would not have been possible without everyone's support and I hope the high spirit of working together as a team to always deliver exceptional results will continue in the future.



Message by Director General

**Director General of
STANDARDS MALAYSIA,**
Madam Fadilah Baharin

Enhancing relationships and forging strategic partnerships with the various stakeholders including regulators, enforcement agencies, other Government departments, industry associations and non-governmental organisations are vital for the creation of a quality culture among Malaysians. Everyone has a role to ensure that such a culture will flourish to become a way of life for all Malaysians. When it is ingrained in our people, it will then push businesses in Malaysia to conform to standards and accreditation requirements which can ensure that products and services will be of high quality. This requires instituting change and making improvements in many areas including the way we add value to products, processes, technologies and services. On the part of STANDARDS MALAYSIA, we also use standards and accreditation as effective tools to enhance the marketability of Malaysian products and services domestically and internationally. We have been representing Malaysia in the international arena with our professional and technical experts consistently keeping tabs on global development in standardisation and accreditation activities.

Through global visitations we have been identifying various best practices for adoption by Malaysian companies with the objective of raising quality consciousness amongst various stakeholders. This move is aimed at bringing about a quality culture in order to gain both local acceptance and global recognition. We have to strive towards creating such a culture for our current and future generations. This is possible with the co-operation of everyone. Meanwhile, we would like to extend our heartfelt appreciation to the Minister of Science, Technology and Innovation, MSAC Chairman, MSAC members, all our partners in the private and public sectors, as well as everyone in MOSTI and STANDARDS MALAYSIA for their continuous support and co-operation.



Achievements of 2012

STANDARDS MALAYSIA & MOSTI ▶

Science and Innovation Carnival

“We support the Year of National Science and Innovation Movement 2012 (SGI2012) which was aimed at carrying out the country’s development agenda through the creation of science and innovation culture among Malaysians.”

The Science and Innovation Carnival was one of the programmes carried out under the Year of National Science and Innovation Movement 2012. It was a continuation of two Government initiatives implemented in 2010 and 2011, which were called the Year of Creativity and Innovation Malaysia (Malaysia Innovative 2010) and the Promotion of Science and Mathematics Year 2011, respectively.

STANDARDS MALAYSIA participated in the exhibitions held during Science and Innovation Carnival 2012, as listed below:-

April 13-15	Science and Innovation Carnival, Kelantan
May 19-20	Science and Innovation Carnival, Sabah
June 19-25	Science and Innovation Carnival, Johor
September 14-16	Science and Innovation Carnival, Sarawak
October 20-21	Science and Innovation Carnival, Negeri Sembilan

World Innovation Forum Kuala Lumpur (WIF-KL)

“As the delegates for WIF-KL 2012, we contributed our innovative thinking and fresh perspectives for achieving sustainable culture of innovation.”

The World Innovation Forum Kuala Lumpur (WIF-KL) was anchored by the Ministry of Science, Technology and Innovation (MOSTI) with the co-operation of the Malaysian Innovation Foundation (YIM). It aspired to create a new culture of innovation, as it was held at the epicentre of economic growth, emerging technologies and innovation in Asia. The event is set to promote the national agenda of placing Malaysia on the international roadmap, as one of the strong propellers in driving global economic growth.



Science and Innovation Carnival, Kelantan.



Science and Innovation Carnival, Negeri Sembilan.

STANDARDS MALAYSIA & SMART PARTNERS ▶

Socially Responsible Citizenship Programme – SPEAK UP

“We create a quality culture by inculcating awareness and interest among the young generation to take part in national standardisation and accreditation activities.”

Held since 2011, the SPEAK UP programme was carried out under the Smart Partnership Programme. Organised in collaboration with one of our smart partners, The Malaysian Association of Standards Users (Standards Users), the SPEAK UP programme encouraged the young generation to identify issues and problems in the community where they live; and analyse the extent of the problems, then come out with possible solutions suitable for the community by referring to the related Malaysian Standards (MS). With this meaningful objective, this programme has become increasingly popular among the young generation from all over Malaysia. In 2012, we received 24 entries as compared to 21 entries in 2011.



Socially Responsible Citizenship Programme – SPEAK UP

Universal Design Product Competition (UDPC)

“In line with the idea of ‘Sharing the World’ between all able and disabled communities, we create awareness especially to the plight of people with disabilities within the built environment, to live and perform in comfort and ease much like any ordinary persons.”

UDPC was another Smart Partnership Programme carried out in 2012. It was jointly organised with International Islamic University Malaysia (IIUM). The competition was aimed at providing an opportunity for designers, design students and students from other related fields to enhance their creativity, ideas and innovations in designing universal products with the application of Malaysian Standards (MS). With the application of MS and other guidelines, as well as advance technology, new ideas and inventions by the participants from local manufacturers, professional designers and university students, the competition would be able to generate innovative, creative, interesting, good and safe products that could be used by everyone regardless of age and condition.



Universal Design Product Competition (UDPC)

Key Milestones



1 September 17-22, San Diego California USA: STANDARDS MALAYSIA was appointed as the International Organization for Standardization (ISO) council member for the term 2013-2014

This means that Malaysia through STANDARDS MALAYSIA has the opportunity to participate in the highest cadre of committee discussions and influence the world standards agenda.



2 March 26, Cairo, Egypt: Malaysia represented by STANDARDS MALAYSIA signed a Memorandum of Understanding (MoU) with the Arab Republic of Egypt, which was represented by Egyptian Organization for Standardization and Quality (EOS).

The main objective of the MoU was to create awareness and understanding on the need for standardisation especially in regards to Halal.



3 April 16, Arab Saudi: Malaysia represented by STANDARDS MALAYSIA signed a Technical Co-operation Partnership (TCP) with Saudi Standards, Metrology and Quality Organization (SASO) on Standardisation.

The TCP was aimed at reducing technical barriers to trade which could serve the global consumer needs better and enhance the socio-economy of Malaysia and Arab Saudi as a gateway for collaboration with other Middle-eastern countries so as to increase the volume of trade for both countries. In addition, it allowed both countries to exchange information on Mandatory Standards.



4 April 23, Melaka: STANDARDS MALAYSIA signed a Memorandum of Understanding (MoU) with the Government of Melaka

The MoU was signed in line with the plan to develop Melaka as a model state for "Outdoor Activities & Adventure Eco-Tourism" in accordance with the requirements of Malaysian Standards (MS). Co-operation between both parties would extend to any field of standardisation activities.



5 October 1, Kuala Lumpur: The launching of the first Halal Pharmaceutical Standard in the World: Malaysian Standards (MS) 2424: 2012 Halal Pharmaceuticals – General Guidelines

With the launch of this Halal MS, the Malaysian pharmaceutical industries have the opportunity to embed halal elements to their products, gain greater consumer confidence and ultimately increase their competitive advantage at the international level.



6 October 1-2, Kuala Lumpur: STANDARDS MALAYSIA hosted the First Technical Meeting of Development and Harmonisation of Standards on

Pharmaceuticals and Vaccines among OIC Countries

The meeting served as a platform for sharing of technical expertise and technology in the pharmaceutical and vaccines sectors. In this respect, Malaysia led the initiative to develop and harmonise standards on pharmaceutical and vaccines needed by the Islamic countries. In addition, it enhanced co-operation among OIC countries and provided access for local companies to penetrate the OIC market.



7 July 4-13, Kuala Lumpur: STANDARDS MALAYSIA hosted Training Programme on Halal Standards & Conformance Infrastructure for OIC Countries under Malaysian Technical Co-operation Programme (MTCP)

A total of 36 participants from 24 countries attended this programme which was a platform for sharing information and development experience related to halal products and services in areas of halal standards and conformance.



8 September 11-12, Kuala Lumpur: STANDARDS MALAYSIA hosted the ASEAN Consultative Committee for Standards and Quality on Accreditation and Conformity Assessment (ACCSQ WG 2) Special Meeting on ASEAN Conformity Mark

ACCSQ WG 2 was established in order to co-ordinate conformity assessment activities among ASEAN Member States. The meeting was held to streamline the framework of the ASEAN Conformity Mark compliance system that is being developed by WG 2. The system is expected to be implemented by the ASEAN Member States by the end of 2014. This ASEAN Conformity Mark compliance system will assist ASEAN in general in facilitating and increasing trade among ASEAN Member States in order to realise the formation of ASEAN Economic Community (AEC) by 2015.



9 STANDARDS MALAYSIA hosted these international meetings: Motorcycle & Moped (February 20-24, Kuala Lumpur); Ceiling Fan Suspension Systems (March 14-15, Kuala Lumpur); Freight Containers (March 27-29, Putrajaya); Application of Biometrics to Cards (June 6-7, Kuala Lumpur); and Personal Identification and Product Recall (August 6-7, Kuala Lumpur).

These meetings aimed to improve the quality and performance of standards development as well as ensure that the products and systems developed in Malaysia would be accepted by users and meet international standards and enhance the competitiveness of Malaysian products.



Progress on Domestic and International Fronts

As in previous years, STANDARDS MALAYSIA's strategies for carrying out the activities in 2012 were two-prong, namely domestic and international. On both fronts, there was a high energy momentum to keep STANDARDS MALAYSIA constantly on the move.

On the domestic front, many activities were carried out with emphasis on the following:

▶ **Creating Quality Culture**

STANDARDS MALAYSIA aims to create a quality culture among Malaysians so that it will be part of the people's lifestyle. Our primary target is the young generation starting with school-going children and tertiary-level students. These are the critical mass we are creating within the Malaysian population to bring about change by assimilating quality in the culture of the people. Partnering with The Malaysian Association of Standards Users (Standards Users), we embarked on school programmes such as the School Outreach and SPEAK-UP Programmes and various standards-related competitions and other activities so as to spread knowledge and create awareness on the importance and benefits of standards. STANDARD MALAYSIA also partnered with the International Islamic University Malaysia (IIUM) in organising Universal Design Product Competition. In addition, our participations in various exhibitions and other events such as MOSTI's Science and Innovation Year Carnival were all aimed at educating the people and deriving a strong impact to instil the interest in science, innovation and standards particularly among the young generation. We want them to be conscious of quality from a young age so that they can make informed choices all throughout their life and at the same time help to bring about change within the society. When change happens, producers and suppliers will have to meet the demand for quality products and services. Only then can sub-quality products be removed from the Malaysian market. This will not be a one-off effort. We want to emulate other countries e.g. Korea whose people have a high quality culture in all aspects of life.

▶ **Supporting the Nation's Economic Transformation Programme (ETP)**

STANDARDS MALAYSIA being the key agency for SRI CSL (standards component) co-operated with MOSTI, PEMANDU and relevant agencies to support the Government's Economic Transformation Programme (ETP) under the Strategic Reform Initiatives (SRI) Competition, Standards and Liberalisation (CSL) as the enablers for the National Key Economic Areas (NKEAs). Two meetings of the steering committees were held on July 31 and December 11, 2012 to discuss, highlight and resolve issues related to standards. In standards development, the accelerated timelines for the development of MS were implemented beginning in 2012.

▶ **Forging Smart Partnerships**

STANDARDS MALAYSIA forged smart partnerships with 8 organisations in conducting programmes to create and enhance awareness on standards and accreditation. The smart partners in 2012 are Malaysian Association for Standards Users (STANDARDS USERS) for consumerism; Institut Kimia Malaysia (IKM) for chemistry and traceability; International

Islamic University of Malaysia (IIUM) for built environment; Malaysian Tropical Environment Adventure and Fellowship Society (MyLEAF) for outdoor activities; Malaysian Plastics Manufacturers Association (MPMA) for plastic standards; Institute of Engineers Malaysia (IEM) for construction; The Federal Agriculture Marketing Authority (FAMA) for agriculture; and Persis Management and Services for Halal.

▶ **Increasing Awareness on Standards and Accreditation**
STANDARDS MALAYSIA continued with efforts to increase awareness on the importance of the use of standards and accreditation services. These efforts include the implementation of programmes under the Communication Strategy and Action Plan. Two short videos were produced and showed

in Rapid KL buses while three messenger coaching workshops were held on September 27, October 10 and December 21 respectively. STANDARDS MALAYSIA also conducted as well as collaborated in 32 industry-specific seminars to increase awareness on the importance of the use of standards and accreditation.

▶ **National Standards and Accreditation Award Ceremony**

The award ceremony held on November 22, 2012 at Putrajaya International Convention Centre (PICC) honoured Small and Medium-scale Enterprises (SMEs) and students for promoting national standardisation and accreditation activities. The event, was officiated by MOSTI Deputy Minister YB Datuk Haji Fadillah Yusof, and was held in conjunction with the celebration of World Standards Day themed

"Less Waste, Better Results – Standards Increase Efficiency" and World Accreditation Day themed "Supporting Safe Food and Clean Drinking Water". Awards were given out to deserving recipients in both standards and accreditation fields. An exhibition held on the side of the event saw active participation by young citizens/students who contributed to various standardisation activities. Winners of various youth programmes also received their awards during the ceremony.

▶ **Undertaking of Studies**

STANDARDS MALAYSIA started to undertake the following studies through appointed parties:

- i) The 2nd Study on the Usage of Malaysian Standards: Conducted by appointed consultant beginning December 1, 2011 for 12 months and the findings will be presented in 2013.



- ii) The 1st Feasibility Study on the Establishment of the National Product Safety Testing Laboratory: Conducted by the Consultancy Unit of University of Malaya (UPUM) from January 1, 2012 for 11 months, the name of this study was subsequently changed to the Study on the Availability of the National Product Safety Testing Laboratories and the deadline for submission was extended to January 31, 2013.

The objectives of this study are to establish national needs for laboratory facilities for testing, safety and for critical customer requirements for the immediate term, the short term (3 years) and the long term (10 years), to determine the current laboratories capacity in Malaysia – within Government, industry (in-house and independent laboratories), including planned projects and those under implementation, to determine the gaps in facilities as against current and future needs, to investigate and bench mark against successful economies – such as Chinese Taipei, Republic of Korea, Thailand, Singapore and Australia and to develop and examine optional approaches to develop national testing capacity to meet needs.

- iii) Study on the Effectiveness of the Governance Structure of Standardisation, Quality Management, Accreditation and Metrology (SQAM): Conducted by Innovation Associates (iA) Consulting Sdn Bhd from December 1, 2012 and is scheduled for completion on February 28, 2013.

On the international front, STANDARDS MALAYSIA continued with efforts to strengthen Malaysia's presence and protect the interests of the nation.

- ▶ **Bilateral and Multilateral Negotiations**
STANDARDS MALAYSIA played a major role in leading bilateral and multilateral negotiations for Free Trade Agreements (FTAs), specifically for the Technical Barrier to Trade (TBT) chapter. In 2012, STANDARDS MALAYSIA was involved in the following FTAs as lead negotiator:

- i) Malaysia-Australia: MAFTA Agreement was signed between Malaysia-Australia on May 22, 2012 in Kuala Lumpur. The agreement will come into effect on January 1, 2013.
- ii) Malaysia-Trans-Pacific Partnership Agreement (TPP): STANDARDS MALAYSIA participated in five negotiation rounds as at the end of 2012 and is still in the process of finalising the text for the agreement.

Other FTAs in which STANDARDS MALAYSIA were involved were as follows:

- i) Malaysia-European Union (EU): The 6th and 7th rounds were held from February 8-11 in Kuala Lumpur and from April 17-20 in Brussels, respectively. During both rounds, discussions were held on the TBT chapter. The 8th round was held from September 25-28 in Kuala Lumpur with no discussion on the TBT chapter. STANDARDS MALAYSIA attended a discussion on Renewable Energy Annex for the Trade in Goods chapter.
- ii) Malaysia-Turkey: The TBT Chapter was finalised last year. In 2012, STANDARDS MALAYSIA was involved in the discussion on the Economic Co-operation chapter related to halal activities and standards.

STANDARDS MALAYSIA also monitored the implementation of the TBT chapter of the FTAs

that have been signed, as listed below:

- i) Malaysia-Japan: Two project proposals were submitted through MOSTI under the Economic Partnership Programme (EPP) for the Japan-Malaysia Economic Partnership Agreement (JMEPA).
- ii) ASEAN-Japan: The 1st Meeting of the ASEAN-Japan Comprehensive Economic Partnership Agreement Sub-Committee on Standards, Technical Regulations and Conformity Assessment Procedures (AJCEP SC-STRACAP) was held on March 16, 2012 in Bandar Seri Begawan, Brunei.

▶ **Facilitating the Implementation of WTO/TBT Agreement**

In managing the national WTO/TBT Committee, STANDARDS MALAYSIA also facilitated the implementation of the provisions of the WTO/TBT Agreement. Three National Mirror Committee on WTO TBT meetings were held on March 12, June 5 and November 20, 2012 in preparation for the three WTO TBT meetings in Geneva. STANDARDS MALAYSIA attended all three WTO TBT Meetings in Geneva from March 20-22, June 13-15 and November 26-29, 2012, as the main agenda for 2012 was to conclude the Sixth Triennial Review of The Operation and Implementation of the Agreement on Technical Barriers to Trade under Article 15.4. STANDARDS MALAYSIA participated actively in giving comments and inputs to ensure that Malaysia's interests would be considered by the Committee. The Sixth Triennial Review was concluded on November 29, 2012 and it will be implemented in the next three years.

In addition to the activities mentioned above, the following are highlights of other activities carried out during the year.

Standards Activities

Expediting Industry-Driven MS

As a follow up to the amendment of the Standards of Malaysia Act (Act 549) to allow the appointment of additional Standards Development Agencies (SDAs), we continued with efforts to engage with the experts within industries and the potential SDAs to help expedite the development of industry-driven MS. The main aim is to meet the new MS development timeline. The appointment of the new SDA was also seen in the light of complementing the efforts of SIRIM Berhad, which is the existing and sole SDA appointed by STANDARDS MALAYSIA. The move to appoint new SDAs was in line with the national Strategic Reform Initiatives-Competition, Standards and Liberalisation (SRI-CSL) initiative to ensure timely delivery of standards.

Accreditation Activities

International Accreditation Evaluation

STANDARDS MALAYSIA continued to provide credible and competent experts for international accreditation activities, including peer evaluations.

- ▶ **From July 16-20, 2012**, Asia Pacific Laboratory Accreditation Co-operation (APLAC) Peer Evaluation was carried out at Komite Akreditasi Nasional (KAN), Indonesia with Mr. Shaharul Sadri Alwi (Director of Accreditation) appointed as APLAC Lead Evaluator and Ms. Siti Norehan Ishak as an observer.
- ▶ **From November 19-23, 2012**, Ir. Boey Hor Meng (Assessor) conducted a PAC Peer Evaluation for KAN as the Lead Evaluator.
- ▶ **From September 17-21, 2012**, Pacific Accreditation Co-operation (PAC) Peer Evaluation for Dubai Accreditation Centre (DAC), UAE was conducted with Mr. Lai Seng Chiang appointed as PAC Trainee Lead Evaluator.

Maintaining of Signatory Status

Malaysia through STANDARDS MALAYSIA maintained signatory status for (PAC Multilateral Recognition Arrangement (MLA) and International Accreditation Forum Multilateral Recognition Arrangements (IAF MLA). On September 10-14, 2012, PAC peer evaluation was conducted to cover quality management system, environmental management system and product certification. The evaluation was conducted by Mr. Brett Abraham (JAS-ANZ, Australia) as Lead Evaluator, and Mr. Anil Jauhri (NABCB, India) and Ms. Xu Na (CNAS, China) as team members.

In addition, Malaysia maintained signatory status for Asia Pacific Laboratory Accreditation Co-operation Mutual Recognition Arrangements (APLAC MRA) and International Laboratory Accreditation Co-operation Mutual Recognition Arrangements (ILAC MRA) for testing and calibration. The status will be evaluated in 2014.

Organisation for Economic Co-operation and Development (OECD) Full Adherence Status

Evaluation of Malaysia through a Mutual Joint Visit (MJV) report was tabled in the 26th Meeting of the Working Group on Good Laboratory Practice on May 29-

31, 2012 in Paris. Malaysia has been recommended as a Full Adherent to the OECD Mutual Acceptance of Data (MAD). The final decision will be discussed in the Joint Meeting and OECD Council Meeting.

Development of New Accreditation Programmes

STANDARDS MALAYSIA developed new fields of accreditation, as follows:

- ▶ **Software Testing:** The Specific Technical Requirement (STR) 1.13 was approved by MSAC on September 10, 2012 and its soft launch was done through the website on October 18, 2012.
- ▶ **Software Product Certification (SWPC):** The ACB-SWPC document was launched through the website on October 15, 2012.
- ▶ **Medical Devices Quality Management Systems (MDQMS):** The ACB-MDQMS document was launched on December 21, 2012.
- ▶ **PC-Ecolabel:** The ACB Ecolabel document was launched on December 21, 2012.

Contribution towards Eco-Label Accreditation

STANDARDS MALAYSIA took part in the Mini-Lab for Standards Development: NKEA Business Services EPP 4: Jumpstarting a Vibrant Green Industry held on October 22-24, 2012 at the Maritime Centre, Putrajaya. The Mini-Lab spearheaded the development of Eco-Label accreditation which demonstrated Malaysia's commitment for a safer and greener environment.

Laboratory Accreditation System Technical Training

The technical training which was held from November 19-30, 2012 was the second training hosted by STANDARDS MALAYSIA for BAB officers after the first one in July 2011. As a full member and signatory of APLAC MRA, this is one of the mechanisms for STANDARDS MALAYSIA to promote mutual recognition arrangement with other accreditation bodies.

The Bangladesh Accreditation Board

(BAB) is an organisation established by the Government of Bangladesh under the Bangladesh Accreditation Act 2006 to provide accreditation services to laboratories, certification bodies and inspection bodies. This training was organised as a part of the Better Work and Standard Programme (BEST) and funded by United Nations Industrial Development Organization (UNIDO). The main objective of this technical training is to assist BAB in acquiring global recognition through Mutual Recognition Arrangement (MRA) with Asia Pacific Laboratory Accreditation Cooperation (APLAC) and to provide exposure in managing an accreditation body according to international practices.

The officers were given briefings on conduct of assessment, selection of assessors and development of documentation system (policy, technical requirements, procedures and etc). The officers also joined on-site assessment at laboratories as observers and were given the opportunity to engage in discussions with laboratory management and STANDARDS MALAYSIA assessors.

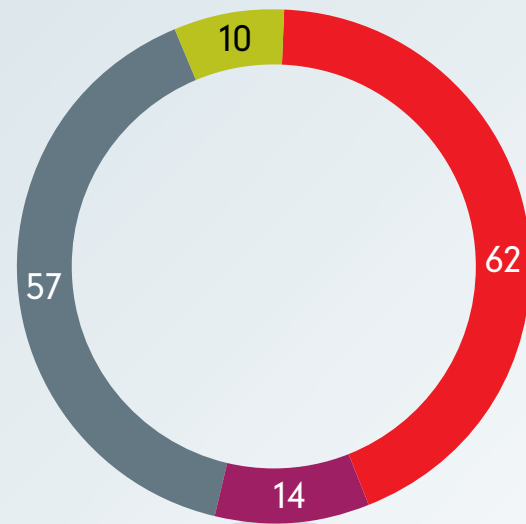


KEEPING THE MOMENTUM UP

In meeting the demands of industries and fulfilling the national agenda, STANDARDS MALAYSIA has to be even more creative and innovative in overcoming issues and challenges such as those posed by challenging economic climate. We will continue to extend our reach and keep the momentum of achieving our goals by having more smart partners locally and overseas.

The way forward for STANDARDS MALAYSIA is to tap greater opportunities to further promote Malaysia as a country that is synonymous with quality. Quality driven by compliance to standards and accreditation requirements by industry players can be a powerful means for Malaysia to enhance the country's export potential. Exports can be expanded when foreign consumers have a positive image of the country, and this can be achieved by associating more value and higher quality with Malaysian products and services. Both standards and accreditation are indeed valuable tools for the country to promote quality assurance in the international marketplace. However, embracing quality must begin at home. That is why STANDARDS MALAYSIA has taken steps to help Malaysians embrace a culture of quality and also introduce the best of Malaysia to the world. STANDARDS MALAYSIA will keep up with the momentum to help industry players to transcend Malaysian boundaries by bringing quality Malaysian products and services to the world, hence positively contributing to the national and socio-economic development.

Calendar of Activities 2012



- Meetings
- Exhibitions
- Conferences
- Outreach programmes

November 6: Visit of Mr TMR Tennakoon (Sri Lanka) to STANDARDS MALAYSIA.

November 23: Briefing on Quality for Enterprise Through Standards (QUEST) Programme by SPRING Singapore

November 19-30: Visit & Attachment training of Bangladesh Accreditation Board (BAB) to STANDARDS MALAYSIA.

December 4: Study Visit from the Directorate For Standards, Metrology And Quality (STAMEQ), Vietnam.

December 12: Benchmarking Visit from Botswana Bureau of Standards (BOBS)

Standardisation and accreditation activities implemented in 2012 were varied and numerous, ranging from participation in meetings, seminars, workshops and conferences to organising and hosting meetings and events.

February 20-24: Study Mission On Standards Development, Metrology, Conformity Assessment And Accreditation (SMCA) by Officials from the Republic of Uganda.

February 29: Visit from Pakistan Halal Development Council (HDC)

April 3: Visit from the Standards and Metrology Institute for Islamic Countries (SMIIC)

April 19: Visit of the newly appointed Director of Standards of British Standards Institute (BSI).

May 28-June 8: Technical Assistance on Capacity Building on Accreditation.

July 12: Visit from the International Trade Centre (ITC) and Officials from Arab Republic of Egypt under the Enhancing Arab Capacity in Trade (EnACT) Programme

July 13: Visit of the National Consumer Protection Agency (NCPA), Indonesia.

September 3-October 25: External Work Attachment Programme (EWAP) of Malaysian Qualifications Agency (MQA) at the Accreditation Division, STANDARDS MALAYSIA.

October 16: Visit of Chairman of Punjab Halal Development Agency (PHDA) to STANDARDS MALAYSIA.

October 22: Trade Mission of the Spanish Manufacturers Association of Construction, Public Works and Mining Equipment (ANMOPyC), Spain.



Peristiwa Bergambar Events in Pictures



National Standards and Accreditation Award Ceremony, November 22, PICC, Putrajaya.



The visit of Punjab Halal Development Agency, October 16, STANDARDS MALAYSIA.



Congratulations to the team for the appointment of Malaysia as a member of the ISO Council for 2013-2015, 35 ISO General Assembly, September 17-22, San Diego, California, US.



National Consultative Forum on ISO-CD 17582, February 13, Kuala Lumpur.



Technical Cooperation Partnership with Saudi Arabian Standards Organization (SASO), April 17, Saudi Arabia.



The Visit of Indonesian delegation to STANDARDS MALAYSIA, July 13, STANDARDS MALAYSIA.



Accreditation of Certification Bodies (ACB) Forum, Speech delivered by Ir. Mah Lok Abdullah, Chairman of MyNAC, June 19, Petaling Jaya.



Lab Accreditation System to Bangladesh Accreditation to Bangladesh Accreditation Board (BAB), November 19-30, STANDARDS MALAYSIA.



The Malaysian Technical Cooperation Programme (MTCP) on Halal Standards and Conformance infrastructure for OIC countries, July 4-13, Kuala Lumpur.



Accreditation Certificate Presentation Ceremony to Universal Testing Machine (UTM) Laboratory, Universiti Teknologi Petronas, July 16, Bandar Seri Iskandar, Tronoh, Perak.



APLAC Evaluator Course, June 2-5, Bangkok, Thailand.



MSDAM Meeting, June 14, STANDARDS MALAYSIA.



IAF-ILAC General Assembly 2012, October 16-26, Rio de Janeiro, Brazil.



Study Tour by Egyptian Delegation on ITC "Enhancing Arab Capacity for Trade" (EnACT) July 12, STANDARDS MALAYSIA.



PUSPAKOM receives MS ISO/IEC 17020:1998 Accreditation, February 26, Shah Alam.



Access Audit Workshop, June 6, Pulau Pinang, Smart Partnership Programme with International Islamic University Malaysia (IIUM).



Attachment training for representatives from Uganda, May 28 - June 8, STANDARDS MALAYSIA.



The 35th Pacific Area Standards Congress, June 4-8, Korea.

Kedudukan Kami

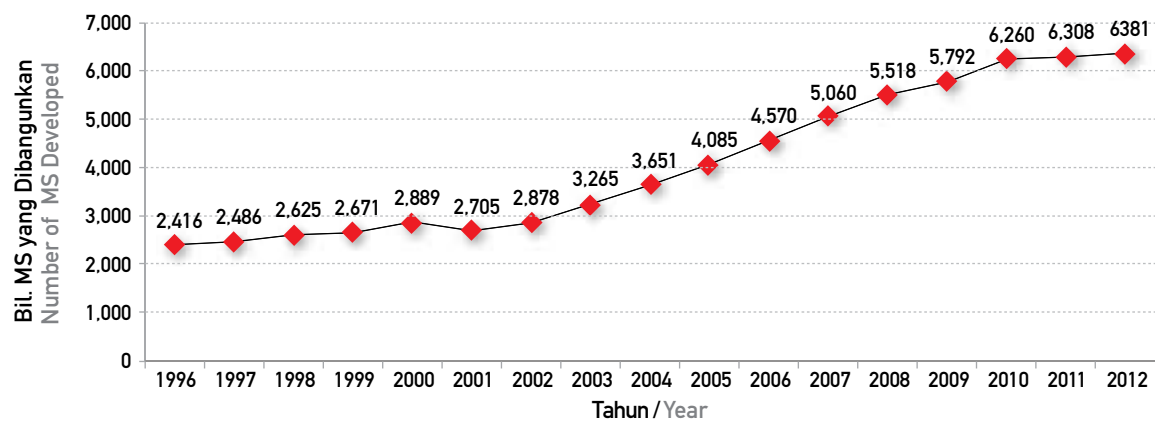
Mengikut Fakta

How do we Fare in Figures

Prestasi Kumulatif 2012 / Cumulative Performance 2012

A. STANDARD / STANDARDS

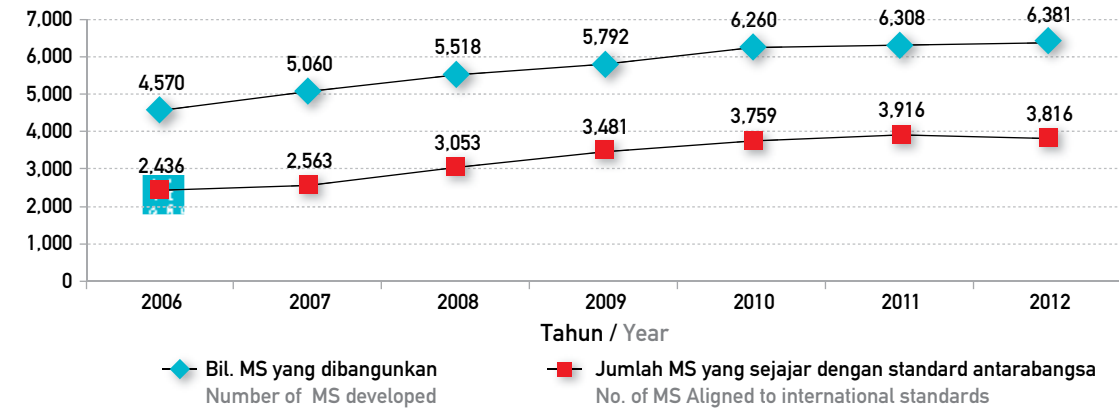
Jadual: A1 Kemajuan pembangunan Malaysian Standards (MS) dari 1996-2012
Figure: The development progress of Malaysian Standards (MS) from 1996-2012



Jumlah kumulatif MS yang dibangunkan dari 1996 hingga 2012 adalah sebanyak 6,381, di mana 6.35% lebih tinggi daripada sasaran negara untuk menghasilkan 6,000 MS menjelang tahun 2010. Jumlah tersebut terus meningkat dan memberi impak yang positif kepada masyarakat dan ekonomi negara. Dengan memastikan barangan dan perkhidmatan mencapai prestasi yang dikehendaki, MS memberi sumbangan yang berterusan bagi meningkatkan kualiti hidup, mewujudkan peluang pekerjaan, meningkatkan tahap kesihatan dan keselamatan serta memastikan penggunaan sumber yang cekap dan menjana kekayaan negara.

Cumulative MS developed from 1996 to 2012 was 6,381, which was 6.35% higher than the national target of developing 6,000 MS by the year 2020. The continued increase in the number of MS has a positive impact on the nation's society and economy. By ensuring that goods and services perform the way they are intended, MS provide a sustained contribution to improving the quality of life, creating employment, improving health and safety and ensuring efficient use of resources and generating national wealth.

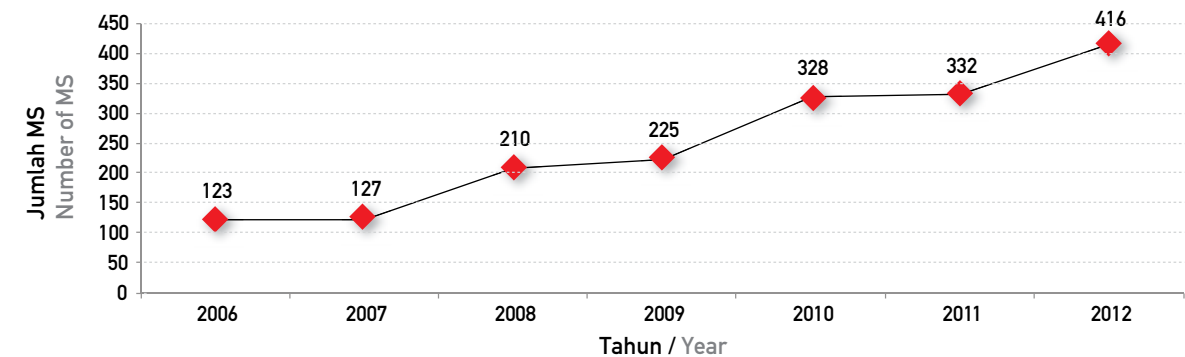
Jadual: A2 Bilangan MS yang sejajar dengan standard antarabangsa dari 2006-2012
Figure: Number of MS aligned to international standards from 2006-2012



Sehingga tahun 2012, daripada 6,381 MS yang dibangunkan sebanyak 59.8% MS yang dibangunkan adalah sejajar dengan standard antarabangsa. Peningkatan ini dapat mengukuhkan perdagangan antarabangsa di Malaysia di mana kos pengeluaran dapat dikurangkan, import eksport juga akan menjadi mudah selain dapat menunjukkan kepada pengguna kualiti sesuatu produk.

As at 2012, out of 6,381 MS developed, 3,816 or 59.8% were aligned to international standards. This increase enhances international trade in Malaysia as alignment to international standards help to reduce production costs and facilitate imports as well as promote exports because they are a signal of quality to customers.

Jadual: A3 Bilangan kumulatif standard mandatori dari 2006-2012
Figure: Cumulative number of mandatory Standards from 2006-2012



Bilangan kumulatif standard mandatori telah meningkat daripada 123 MS pada tahun 2006 kepada 416 MS pada tahun 2012. Peningkatan bilangan standard mandatori yang stabil pada setiap tahun mencerminkan respons kerajaan Malaysia terhadap permintaan yang semakin meningkat bagi produk yang perlu memenuhi kualiti minimum dan piawaian keselamatan, serta tidak memberi kesan buruk kepada pengguna atau persekitaran.

Cumulative mandatory standards increased from 123 MS in 2006 to 416 in 2012. The steady increase each year in the number of mandatory standards reflects the Malaysian government's response to the growing demand for products that must meet minimum quality and safety standards, and not have an adverse impact on consumers or the environment.

Jadual: A4 Kumulatif MS yang sejajar dengan standard antarabangsa sehingga 31 Disember 2012
Figure: Alignment of cumulative MS to international standards as at December 31, 2012

Jawankuasa Standard Perindustrian Industry Standards Committee (ISC)	(31 Disember 2012) / (December 31, 2012)		
	Jumlah kumulatif MS yang dibangunkan Cumulative MS developed	MS yang sejajar dengan standard antarabangsa MS aligned to international standard	
		Serupa Identical	Diubahsui Modified
Pertanian / Agriculture	191	45	0
Kimia dan Bahan / Chemicals and Materials	707	241	3
Kepentingan Pengguna / Consumer Interests	1	1	0
Bangunan, Pembinaan dan Kejuruteraan Awam Building, Construction and Civil Engineering	357	54	2
Penjanaan, Transmisi dan Pengagihan Tenaga Power Generation, Transmission and Distribution of Energy	569	379	42
Kejuruteraan Mekanikal / Mechanical Engineering	339	209	4
Teknologi Maklumat, Komunikasi dan Multimedia Information Technology, Communication and Multimedia	687	619	0
Petroleum dan Gas / Petroleum and Gas	239	80	4
Standard Halal / Halal Standards	12	0	0
Plastik dan Barangan Plastik / Plastics and Plastics Products	365	186	12
Pembungkusan dan Logistik / Packaging and Logistics	123	52	0
Kenderaan Jalan / Road Vehicles	243	138	3
Pencegahan dan Keselamatan Kebakaran / Fire Safety and Prevention	90	28	2
Getah dan Barangan Getah / Rubber and Rubber Products	163	93	6
Pengurusan Organisasi / Organisational Management	10	6	0
Bahan Logam dan Barangan Separuh Siap Metallic Materials and Semi-Finished Products	289	190	12
Tekstil dan Pakaian / Textiles and Apparels	309	204	4
Peralatan Perubatan dan Kemudahan untuk Penjagaan Kesihatan Medical Devices and Facilities for Healthcare	368	314	5
Peralatan dan Aksesori Elektrik dan Elektronik Electrical and Electronics Equipment and Accessories	426	358	25
Pelancongan, Pameran dan Perkhidmatan Mesra Tourism, Exhibition and Hospitality Services	13	10	0
Makanan, Produk Makanan dan Keselamatan Makanan/ Food, Food Products and Food Safety	463	140	15
Keselamatan dan Kesihatan Pekerjaan / Occupational Safety and Health	220	163	4
Pengurusan Kualiti dan Penentuan Kualiti Quality Management and Quality Assurance	99	97	0
Pengurusan Alam Sekitar / Environmental Management	98	63	3
JUMLAH / TOTAL	6,381	3,670	146
PERATUS PENJAJARAN KUMULATIF / RATE OF ALIGNMENT	59.80 %		

Jumlah kumulatif MS yang dibangunkan sehingga 31 Disember 2012 adalah sebanyak 6,381. Jumlah tertinggi MS yang dibangunkan adalah sektor Kimia dan Bahan (707) diikuti oleh sektor Teknologi Maklumat, Komunikasi dan Multimedia (687). Bilangan standard yang tinggi dalam sektor Teknologi Maklumat, Komunikasi dan Multimedia membantu memudahkan pertumbuhan dalam bidang ICT. Manakala, MS dibangunkan di bawah sektor Kepentingan Pengguna (1) adalah yang terendah.

Peratus kumulatif MS yang dibangunkan dan sejajar dengan standard antarabangsa sehingga 31 Disember 2012 adalah 59.80%. Ini akan memudahkan lagi daya saing global sektor ICT yang akan memainkan peranan penting dalam matlamat Malaysia bagi mencapai status negara maju menjelang 2020. Sektor Teknologi Maklumat, Komunikasi dan Multimedia mencatatkan peratus MS tertinggi yang sejajar kepada standard antarabangsa iaitu 90.10%.

Cumulative number of MS developed up to December 31, 2012 was 6,381. The highest number of MS developed was in the Chemicals and Materials sector (707) followed by the Information Technology, Communication and Multimedia sector (687). The high number of standards developed for the Information Technology, Communication and Multimedia sector helps to facilitate growth in Information and Communication Technology. The lowest number of MS developed was in Consumer Interests sector (1).

The percentage of cumulative MS developed and aligned to international standards as at December 31, 2012 was 59.80%. This will further facilitate the global competitiveness of the ICT sector which will play a key role in Malaysia's aim to achieve developed country status by 2020. Information Technology, Communication and Multimedia sector recorded the highest percentage of MS aligned to international standards at 90.10%.

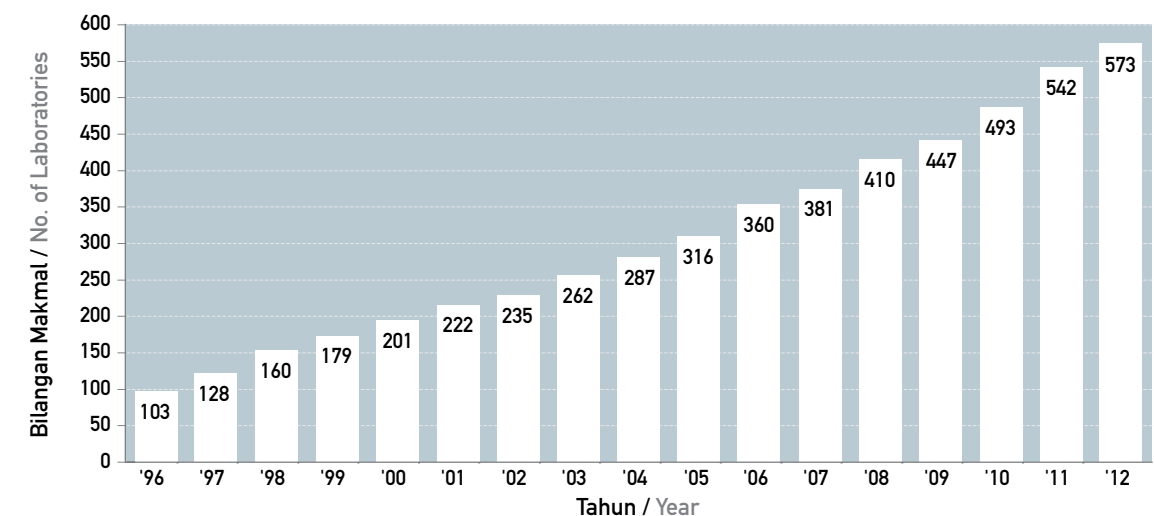
B. AKREDITASI / ACCREDITATION

B1. SAMM / SAMM

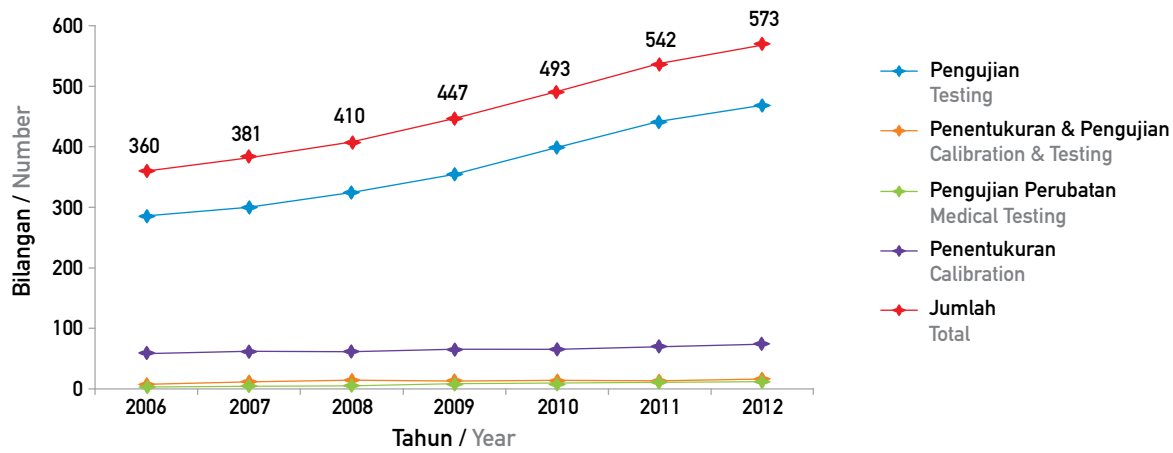
Jadual: B1a Bilangan Makmal yang diakredit dari 1996-2012
Figure: Number of accredited laboratories from 1996-2012

Sebanyak 573 makmal telah diakredit dari tahun 1996 hingga 2012, dengan 472 daripadanya kekal aktif sepanjang tempoh ini. Sebagai pengiktirafan antarabangsa bagi kecekapan teknikal, akreditasi membantu organisasi pengujian dan penentuan untuk mendapat akses kepada kontraktor yang memerlukan perkhidmatan makmal yang diiktiraf secara bebas. Ini juga memberi kelebihan dari segi pemasaran.

A total of 573 laboratories were accredited from 1996 to 2012, with 472 of them remaining active during the period. As an international recognition of technical competence, accreditation helps testing and calibration organisations to gain access to contractors that require independently verified laboratories and provide a marketing advantage.



Jadual: B1b Pecahan Makmal yang diakredit mengikut kategori dari 1996-2012
Figure: Breakdown of the number of accredited laboratories from 2006-2012



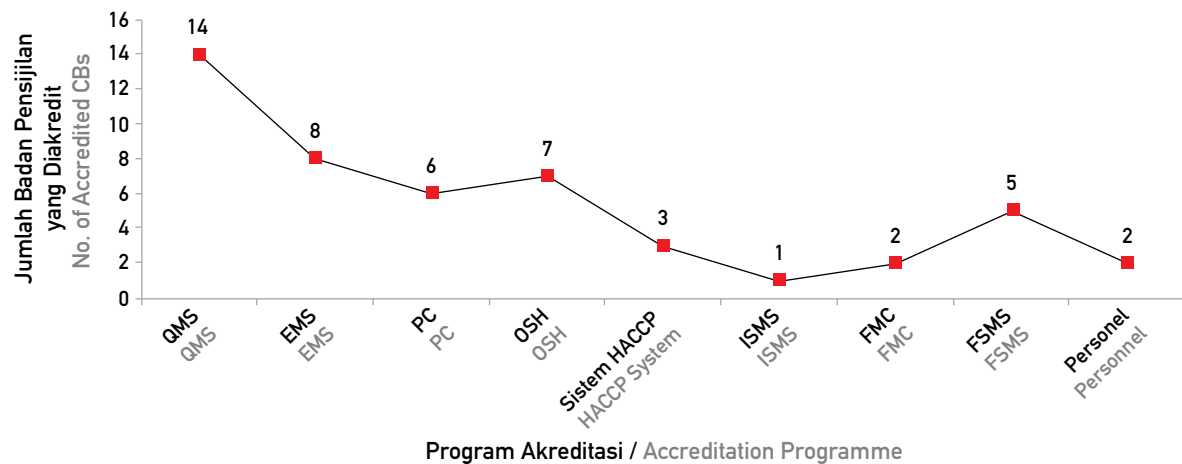
Pada tahun 2012, sebanyak 31 makmal telah diakredit dan jumlah keseluruhan pada tahun ini adalah sebanyak 573 makmal. Sebanyak 101 makmal telah ditarik balik status akreditasinya sejak tahun 1996. Makmal-makmal yang telah mendapat akreditasi akan dinilai semula secara berkala bagi memastikan pematuhan berterusan kepada keperluan dan piawaian operasi dikekalkan. Penilaian ini membantu memberi jaminan kepada pelanggan bahawa makmal tersebut dapat menyediakan data ujian dan penentuan yang tepat dan boleh dipercayai.

In 2012, 31 laboratories were accredited, making a total of 569 laboratories this year. The attainment of accreditation is the result of much preparation, procedural implementation and conformity to strict accreditation requirements.

Accreditations for 101 laboratories were withdrawn since 1996. Laboratories are re-assessed regularly to ensure continued compliance to requirements and that standards of operations are maintained. Continued assessment of accredited laboratories helps assure customers that the laboratories they choose will provide accurate and reliable testing and calibration data.

B2. ACB / ACB

Jadual: B2a Bilangan Badan Pensijilan yang diakredit dari 2006-2012
Figure: Number of CBs Accredited from 2006-2012



Jadual di atas menunjukkan jumlah kumulatif badan pensijilan yang telah diakredit sehingga 2012 mengikut pelbagai program yang ditawarkan di bawah skim ACB.

The above figure shows the total cumulative number of CBs accredited up to 2012 according to various programmes offered under ACB scheme.

B3. MIBAS / MIBAS

Jadual: B3a Bilangan Badan Pemeriksa yang diakredit mengikut bidang
Figure: Number of Accredited Inspection Bodies according to fields

Bil. No.	No. MIBAS / MIBAS No.	Nama Badan Pemeriksa / Name of Inspection Bodies	Bidang / Field
1.	001	Consumer Testing Services, SGS (Malaysia) Sdn. Bhd.	• Barangan Perkilangan / Manufactured Goods • Audit Kilang / Factory Audits
2.	002	Product Inspection Section, TNBR QATS Sdn. Bhd.	• Produk Elektrik / Electrical Products • Produk Perkilangan / Manufactured Products
3.	003	Product Certification and Inspection Department, SIRIM QAS International Sdn. Bhd.	• Pemeriksaan Kimpalan / Welding Inspection
4.	004	Puspakom Sdn. Bhd. (Headquarters)	• Pemeriksaan Kenderaan / Vehicle Inspection
5.	005	Petrotechnical Inspection Sdn. Bhd.	• Pemeriksaan NDT / NDT Inspection
6.	006	Industrial Services, SGS (Malaysia) Sdn. Bhd.	• Pemeriksaan Kimpalan / Welding Inspection
7.	007	LOTT Inspection Sdn. Bhd., Selangor	• Pemeriksaan NDT / NDT Inspection
8.	008	Non Destructive (NDT) Group, Malaysia Nuclear Agency, Selangor	• Pemeriksaan NDT / NDT Inspection

Jadual di atas menunjukkan terdapat sebanyak lapan buah badan pemeriksaan telah diakredit sehingga akhir tahun 2012. Eight inspection bodies were accredited as at the end of 2012, as shown in the above figure.

B4. PROGRAM PEMATUHAN GLP / GLP COMPLIANCE PROGRAMME

Jadual: B4a Bilangan kumulatif fasiliti kajian yang mematuhi GLP dari 2010-2012
Figure: Number of cumulative GLP compliant test facilities from 2010-2012

No. GLP / GLP No.	Nama Fasiliti Kajian / Name of Test Facilities	Bidang / Field
001	Acumen Scientific Sdn Bhd	• Pengujian fizikal-kimia / Physical-chemical testing
002	Sumitomo Chemical Enviro-Agro Asia Pacific Sdn Bhd	• Pengujian fizikal-kimia / Physical-chemical testing
003	Toxicology Laboratory, Melaka Biotechnology Corporation	• Mutagenicity testing
004	Environment Technology Research Centre, SIRIM Berhad	• Mutagenicity testing • Kajian ketoksikan alam sekitar terhadap organisma akuatik / Environmental Toxicity Studies on aquatic organisms • Kajian ke atas tingkah laku di dalam air, tanah dan udara; Biodegradasi / Studies on behaviour in water, soil and air; Biodegradation

Jadual di atas menunjukkan terdapat empat fasiliti kajian yang mematuhi GLP sehingga akhir tahun 2012.

As at the end of 2012, there were four GLP compliant test facilities, as shown in the above figure.

A. STANDARD / STANDARDS

Jadual: **A1** Bilangan MS yang dibangunkan mengikut sektor pada 2012 dan bilangan standard mandatori mengikut sektor sejak 2012
Figure: Number of MS developed by sectors in 2012 and number of mandatory standards by sectors since 2012

Jawatankuasa Standard Perindustrian Industry Standards Committee (ISC)	Jumlah MS yang Dibangunkan No. of MS Developed	Jumlah Standard Mandatori sejajar dengan standard antarabangsa No. of Mandatory Standards aligned to international standards
Pertanian / Agriculture	20	44
Kimia dan Bahan / Chemicals and Materials	50	8
Kepentingan Pengguna / Consumer Interests	0	0
Bangunan, Pembinaan dan Kejuruteraan Awam Building, Construction and Civil Engineering	38	54
Penjanaan, Transmisi dan Pengagihan Tenaga Power Generation, Transmission and Distribution of Energy	85	85
Kejuruteraan Mekanikal / Mechanical Engineering	43	20
Teknologi Maklumat, Komunikasi dan Multimedia Information Technology, Communication and Multimedia	20	0
Petroleum dan Gas / Petroleum and Gas	33	8
Standard Halal / Halal Standards	2	0
Plastik dan Barangan Plastik / Plastics and Plastics Products	38	6
Pembungkusan dan Logistik / Packaging and Logistics	10	0
Kenderaan Jalan / Road Vehicles	7	17
Pencegahan dan Keselamatan Kebakaran / Fire Safety and Prevention	6	39
Getah dan Barangan Getah / Rubber and Rubber Products	15	1
Pengurusan Organisasi / Organisational Management	4	0
Bahan Logam dan Barangan Separuh Siap Metallic Materials and Semi-Finished Products	20	54
Tekstil dan Pakaian / Textiles and Apparels	9	0
Peralatan Perubatan dan Kemudahan untuk Penjagaan Kesihatan Medical Devices and Facilities for Healthcare	6	1
Peralatan dan Aksesori Elektrik dan Elektronik Electrical and Electronics Equipment and Accessories	35	74
Pelancongan, Pameran dan Perkhidmatan Mesra Tourism, Exhibition and Hospitality Services	2	0
Makanan, Produk Makanan dan Keselamatan Makanan/ Food, Food Products and Food Safety	32	1
Keselamatan dan Kesihatan Pekerjaan / Occupational Safety and Health	21	2
Pengurusan Kualiti dan Penentuan Kualiti Quality Management and Quality Assurance	3	0
Pengurusan Alam Sekitar / Environmental Management	9	2
JUMLAH / TOTAL	508	416

Sebanyak 508 MS telah dibangunkan pada 2012. Sektor Penjanaan, Transmisi dan Pengagihan Tenaga merekodkan bilangan tertinggi MS yang dibangunkan iaitu sebanyak 85 diikuti oleh sektor Kimia dan Bahan (50), dan sektor Kejuruteraan Mekanikal (43). Tumpuan kepada membangunkan MS untuk sektor Penjanaan, Transmisi dan Pengagihan Tenaga membantu memacu kecekapan tenaga di kalangan pengeluar, industri, perniagaan dan pengguna di Malaysia, disamping menyediakan landasan bagi pertumbuhan ekonomi dan peningkatan produktiviti.

Sejak tahun 2012, sebanyak 416 MS telah dijadikan standard mandatori, di mana sektor Penjanaan, Transmisi dan Pengagihan Tenaga (85) merupakan sektor tertinggi, diikuti oleh Peralatan dan Aksesori Elektrik dan Elektronik (74), Bahan Logam dan Barangan Separuh Siap (54), dan Bangunan, Pembinaan dan Kejuruteraan Awam (54).

A total of 508 MS were developed in 2012. Generation, Transmission and Distribution of Energy sector recorded the highest number of MS developed i.e. 85, followed by Chemicals and Materials sector (50) and Mechanical Engineering sector (43). The focus on developing MS for the Generation, Transmission and Distribution of Energy sector helps drive energy efficiency amongst manufacturers, industries, businesses and consumers in Malaysia, as well as provide a platform for economic growth and increased productivity.

Since 2012, 416 MS have been made mandatory with the highest for the Generation, Transmission and Distribution of Energy sector (85) followed by Electrical and Electronics Equipment and Accessories sector (74), Metallic Materials and Semi Finished Products sector (54) and Building, Construction and Civil Engineering sector (54).

B. AKREDITASI / ACCREDITATION

B1. SAMM / SAMM

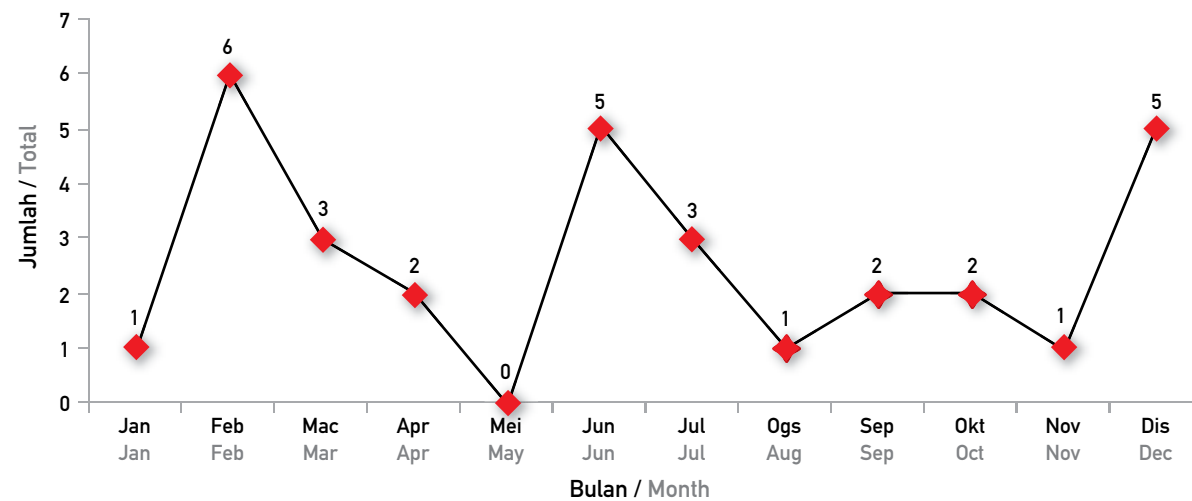
Jadual: **B1a** Permohonan baru yang diterima pada Tahun 2012
Figure: New applications received in 2012

	Makmal Penentukuran Calibration Laboratories	Makmal Pengujian Testing Laboratories	Makmal Pengujian dan Penentukuran Calibration and Testing Laboratories	Makmal Perubatan Medical Laboratories	Jumlah Total
Jumlah Permohonan Total Application	14	57	1	9	81

Pada tahun 2012, sebanyak 81 permohonan baru telah diterima. Makmal Pengujian menerima permohonan paling tinggi iaitu sebanyak 57. Makmal memerlukan perkhidmatan akreditasi serta pengesahan SAMM yang kredibel untuk mendapatkan laporan ujian dan sijil penentukuran yang diterima di peringkat antarabangsa.

In 2012, a total of 81 new applications were received with applications from Testing Laboratories recording the highest number at 57. The laboratories require SAMM's credible accreditation service and endorsement of test reports and calibration certificates which are accepted internationally.

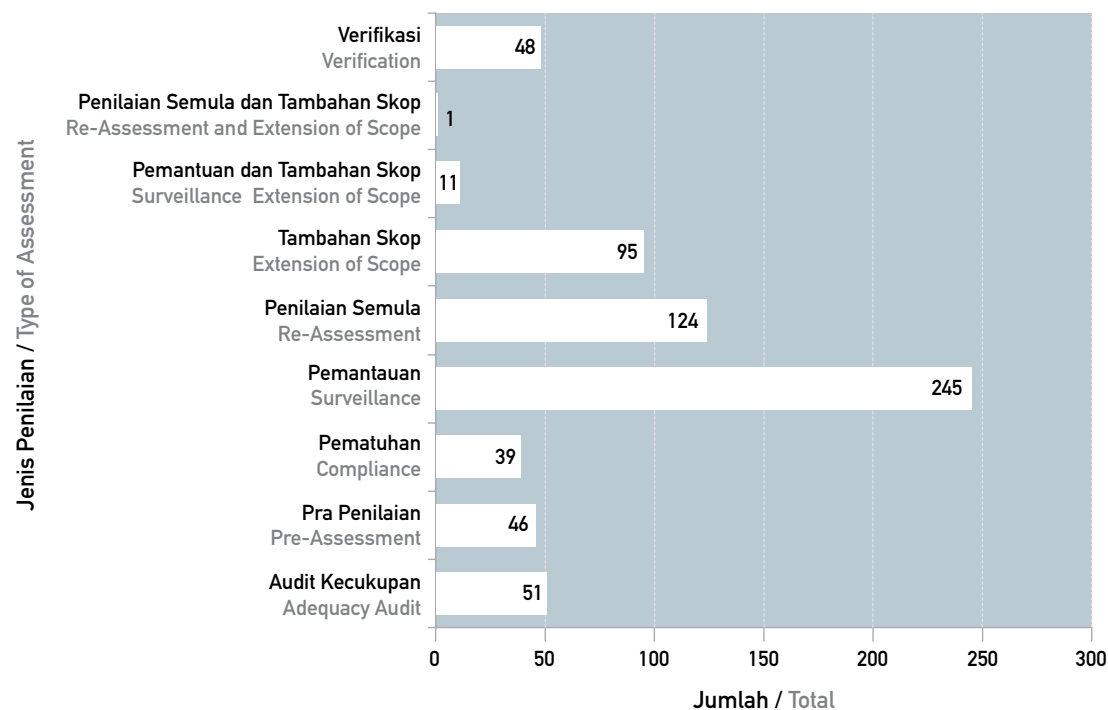
Jadual: B1b Jumlah Makmal yang diakredit pada Tahun 2012
Figure: Total accredited laboratories in 2012



Sebanyak 31 makmal telah diakredit pada tahun 2012. Faedah yang diperolehi oleh makmal yang mendapat status akreditasi membolehkan makmal-makmal tersebut menentukan sama ada pengujian yang dilakukan adalah tepat dan mengikut standard. Ia juga membolehkan pihak makmal membuat perbandingan bagi mengukur dan mengekalkan tahap kecekapan.

A total of 31 laboratories were accredited in 2012. The benefits of accreditation for laboratories is that it allows them to determine whether their work is performed correctly and in accordance with standards. It also provides laboratories with a benchmark for maintaining competence.

Jadual: B1c Jumlah Penilaian Makmal pada Tahun 2012
Figure: Total Laboratory Assessments in 2012



Sebanyak 660 penilaian telah dijalankan pada tahun 2012. Bulan Julai mencatatkan pencapaian tertinggi iaitu sebanyak 73 penilaian. Penilaian yang dilakukan oleh STANDARDS MALAYSIA adalah bertujuan untuk memastikan operasi sistem pengurusan makmal adalah tepat dan sejajar mengikut standard dan kriteria akreditasi. Penilaian ini juga turut mengesahkan skop tambahan yang dimohon oleh makmal.

A total of 660 assessments were made in 2012 with the highest total of 73 recorded in July 2012. Assessments done by STANDARDS MALAYSIA are carried out to ensure that all of the laboratory's management system operations are correct and in compliance with accreditation criteria and standards. It also verifies any extension of scope of accreditation requested by laboratories.

Jadual: B2a Senarai Badan Pensijilan baru yang telah diakredit pada Tahun 2012
Figure: List of New Accredited CBs in 2012

Bil. / No.	Badan Pensijilan / Certification Body	Program / Programme
1	AJA EQS Certification (M) Sdn Bhd	FSMS / FSMS
2	Malaysian Timber Industry Board (MTIB)	PC / PC
3	IPEC Bureau Sdn Bhd	INDIVIDU / PERSONNEL
4	Jabatan Pembangunan Kemahiran	INDIVIDU / PERSONNEL

Jadual menunjukkan sebanyak empat buah badan pensijilan baru yang telah diakredit pada 2012.

Four CBs were accredited in 2012 as shown above.

Jadual: B2b Bilangan permohonan yang diterima pada Tahun 2012
Figure: Number of applications received in 2012

Program / Programme	Jumlah Permohonan yang Diterima / No. of Applications Received
Quality Management Systems (QMS)	1
Environmental Management Systems (EMS)	2
Product Certification (PC)	1
Information Security Management Systems (ISMS)	1
JUMLAH / TOTAL	5

Jadual menunjukkan, terdapat lima permohonan telah diterima di bawah empat program ACB pada tahun 2012,

In 2012, five applications were received under four ACB programmes as shown above.

Jadual: B2c Jumlah Badan Pemeriksa yang diakredit pada Tahun 2012
Figure: Number of Accredited Inspection bodies in 2012

Bil. No.	No. MIBAS / MIBAS No.	Nama Badan Pemeriksa / Name of Inspection Bodies	Bidang / Field
1.	007	LOTT Inspection Sdn. Bhd., Selangor	• Pemeriksaan NDT / NDT Inspection
2.	008	Non Destructive (NDT) Group, Malaysia Nuclear Agency, Selangor	• Pemeriksaan NDT / NDT Inspection

Jadual menunjukkan, terdapat dua buah badan pemeriksa yang diakredit mengikut bidang pengkhususan masing-masing.

Number of accredited Inspection Bodies and their fields of specialisation are shown in the above figure.

Jadual: B2d Bidang pemeriksa pada Tahun 2012
Figure: Fields of inspection in 2012

Bidang / Fields of Inspection	Bilangan / Number
Pemeriksaan Ujian Tanpa Musnah / Non-destructive Test	3
Kenderaan / Vehicle	0
Kimpalan / Welding	1
Shop / Shop	1
JUMLAH / TOTAL	5

Jadual di atas menunjukkan terdapat lima bidang pemeriksaan yang diperolehi oleh Badan Pemeriksa. There were five Inspection Bodies in four fields of inspection, as shown in the above figure.

C. PENGLIBATAN PADA PERINGKAT ISO DAN IEC / PARTICIPATION AT ISO AND IEC LEVEL

Pada tahun 2012, STANDARDS MALAYSIA mempunyai dua keahlian "O" dalam IEC/TC. STANDARDS MALAYSIA held two "O" memberships in IEC/TC in 2012.

Jadual: C1 Jumlah penglibatan sebagai ahli "P" dalam ISO dan IEC pada Tahun 2012
Figure: Total number of participating "P" membership of ISO and IEC in 2012

2010		2011		2012	
ISO	IEC	ISO	IEC	ISO	IEC
124	22	134	26	143	26

Pada tahun 2012, jumlah keahlian "P" Malaysia dalam ISO dan IEC masing-masing adalah 143 dan 26. Aliran menaik dalam keahlian "P" sejak 2010 menandakan komitmen berterusan Malaysia untuk mengambil bahagian secara aktif dalam pembangunan standard-standard antarabangsa.

Malaysia's total "P" memberships in both ISO and IEC in 2012 are 143 and 26 respectively. The upward trend in "P" membership since 2010 signifies Malaysia's continued commitment to actively participate in the development of international standards.

Jadual: C2 Keahlian dalam ISO dari 1969 – 2012
Figure: Memberships in ISO from 1969 – 2012

Keahlian / Member (Participating)	Keahlian / Member (Observer)
143	125

Jumlah kumulatif keahlian "P" dan "O" dalam ISO dari tahun 1969 hingga 2012 masing-masing adalah 143 dan 125. Cumulative "P" and "O" memberships in ISO from 1969 to 2012 are 143 and 125 respectively.

Jadual: C3 Keahlian dalam IEC dari 1991 – 2012
Figure: Memberships in IEC from 1991 – 2012

Keahlian / Member (Participating)	Keahlian / Member (Observer)
26	79

Jumlah kumulatif keahlian "P" dan "O" dalam IEC dari tahun 1991 hingga 2012 masing-masing adalah 26 dan 79. Cumulative "P" and "O" memberships in IEC from 1991 to 2012 are 26 and 79 respectively.

Jadual: C4 Bilangan *Convenorship* dalam ISO yang dipegang oleh Malaysia
Figure: Number of Convenorships in ISO held by Malaysia

1	ISO/TC 45/SC 3/WG 4 - Natural Rubber
2	ISO/TC 45/SC 4/WG 5 - Gloves for Medical Application
3	ISO/TC 61/SC 2/WG 2 - Hardness and Surface Properties
4	ISO/TC 69/AHG 1 - Documents to Support the Application of Statistical Methods Standards
5	ISO/TC 218/WG 4 - Test Methods

Jadual: C5 Bilangan *Convenorship* dalam IEC yang dipegang oleh Malaysia
Figure: Number of Convenorships in IEC held by Malaysia

1	IEC/TC 82/ JCWG – Joint Committee Working Group on Decentralised Renewable Energy
2	IEC/ TC 115/ Project Team 1 (PT 1) – Guidelines for Asset Management on HVDC Installation

D. PENGURUSAN SUMBER MANUSIA / HUMAN RESOURCE MANAGEMENT

Jadual: D1 Bilangan jawatan yang telah diisi di STANDARDS MALAYSIA
Figure: Number of filled-up positions in STANDARDS MALAYSIA

Jawatan Positions	Bilangan Jawatan No. of Positions	Bilangan Posisi yang Telah Diisi sehingga Disember 2012 Number of filled-up Positions up to December 2012	
Pengurusan Peringkat Atasan Top Management Level	2	2	100%
Pengurusan & Profesional Managerial & Professional	61	52	85%
Kumpulan Sokongan Support Group	43	39	91%
JUMLAH / TOTAL	106	93	88%

Jadual: D2 Bilangan jawatan mengikut bahagian
Figure: Number of positions by division

Kumpulan Perkhidmatan / Group of Services	Bahagian Divisions	Pejabat Ketua Pengarah / Director General's Office	Dasar dan Standards Policy and Standards	Akreditasi Accreditation	Pengurusan Strategik / Strategic Management	Khidmat Pengurusan / Management Services
Pengurusan Tertinggi / Top Management		1	1	0	0	0
Pengurusan Profesional / Managerial & Professional		0	14	27	8	3
Kumpulan Pelaksana / Implementation		3	3	9	6	18
JUMLAH / TOTAL		4	18	36	14	21

Jadual: D3 Bilangan penempatan and pemindahan
Figure: Number of postings and transfers

Kumpulan Perkhidmatan / Group of Services	Masuk / In	Keluar / Out
Pengurusan Tertinggi / Top Management	0	0
Pengurusan & Profesional / Managerial & Professional	1	0
Kumpulan Pelaksana / Implementation	1	1
Pekerja Sambilan / Temporary Staff	11	4

E. PENGURUSAN KEWANGAN / FINANCIAL MANAGEMENT

Jadual: E1 Laporan prestasi perbelanjaan operasi pada Tahun 2012
Figure: Operational expenditure performance report 2012

Jenis Types	Peruntukan Tahunan / Annual Allocation (RM)	Semakan Peruntukan / Revised Allocation (RM)	Perbelanjaan / Expenditure (RM)	%	Baki / Balance (RM)
Emolument / Emolument	4,772,900.00	4,954,260.00	4,949,886.30	99.91	4,373.70
Perkhidmatan / Services	7,885,000.00	8,218,512.00	8,089,364.78	98.43	129,147.22
Aset / Asset	45,000.00	45,000.00	45,000.00	100.00	0.00
Geran / Grants	4,172,400.00	3,908,400.00	3,907,291.07	99.97	1,108.93
Lain-lain / Others	0.00	15,085.00	13,000.00	86.18	2,085.00
JUMLAH / TOTAL	16,875,300.00	17,141,257.00	17,004,542.15	99.45	136,714.85

Jadual: E2 Laporan prestasi perbelanjaan pembangunan pada Tahun 2012
Figure: Development expenditure performance report 2012

Program / Programmes	Peruntukan Pembangunan / Development Expenditure (RM)	Peruntukan Pembangunan (Disemak) / Development Expenditure (Revised) (RM)	Perbelanjaan / Expenditure		Baki / Balance (RM)
			Amaun / Amount (RM)	%	
Pembangunan Standard / Development of Standards	5,000,000.00	7,917,237.50	7,861,406.97	99.29	55,830.53
Pembangunan Sistem ICT (e-Akreditasi) / Development of ICT System (e-Accreditation)	1,400,000.00	1,496,232.00	1,496,232.00	100	0.00
Hub Pengujian Perisian Malaysia (MSTH) / Malaysia Software Testing Hub (MSTH)	25,000,000.00	24,986,530.50	24,986,530.50	100	0.00
JUMLAH / TOTAL	31,400,000.00	34,400,000.00	34,344,169.47	99.84	55,830.53

Jadual: E3 Laporan kutipan hasil pada Tahun 2012
Figure: Revenue collection report, 2012

Sumber / Sources	Jumlah / Amount (RM)	%
Yuran Skim Akreditasi / Fees for Accreditation Scheme	2,647,119.04	99.29
Jualan Dokumen / Sale of Documents	18,890.00	0.71
JUMLAH / TOTAL	2,666,009.04	100.00

Jumlah hasil yang dikutip pada tahun 2012 ialah sebanyak RM2,666,009.04, hasil daripada kutipan bayaran yuran yuran bagi skim-skim akreditasi dan penjualan naskhah dokumen rasmi seperti Malaysian Standard dan sebagainya.

The total revenue collected in 2012 amounted to RM2,666,009.04, which was derived from the collection of fees for accreditation scheme and the sale of documents such as verified copy or copies of Malaysian Standards (MS).

Mengenai **STANDARDS MALAYSIA**

About STANDARDS MALAYSIA

“Jabatan Standard Malaysia (STANDARDS MALAYSIA) sebagai Badan Standard Kebangsaan dan Badan Akreditasi Kebangsaan memberi keyakinan kepada pelbagai pihak berkepentingan dengan menawarkan perkhidmatan standardisasi dan akreditasi yang kredibel untuk berdaya saing di peringkat global”

“The Department of Standards Malaysia (STANDARDS MALAYSIA) is the National Standards Body and the National Accreditation Body, providing confidence to various stakeholders, through credible standardisation and accreditation services for global competitiveness”

Ringkasan Organisasi Kami

Tertakluk di bawah Akta Standard Malaysia 1996 (Akta 549), STANDARDS MALAYSIA adalah sebuah agensi di bawah MOSTI. Sejak penubuhannya 16 tahun dahulu pada 28 Ogos 1996, STANDARDS MALAYSIA dengan jayanya telah membangunkan Malaysian Standards (MS) dan menyediakan perkhidmatan akreditasi untuk kesejahteraan ekonomi, sosial dan alam sekitar negara.

Sebagai sebuah agensi kerajaan yang diberi kuasa, STANDARDS MALAYSIA sentiasa berhubung dengan pihak berkepentingan untuk membangunkan MS yang dapat melindungi kepentingan pengguna dengan memberi jaminan terhadap kesihatan dan keselamatan. STANDARDS MALAYSIA juga merupakan penandatanganan kepada *Mutual Recognition Arrangements (MRA)* dan *Multilateral Recognition Agreements (MLA)* di peringkat serantau dan antarabangsa. Ini mengukuhkan lagi daya saing Malaysia dengan memudahkan perdagangan menerusi pengiktirafan antarabangsa terhadap produk dan perkhidmatan Malaysia. Kami juga menerajui Komponen Standards dalam Inisiatif Pembaharuan Strategik – Persaingan, Standard dan Liberalisasi (SRI-CSL) di bawah Program Transformasi Ekonomi, khusus untuk meningkatkan kualiti produk dan perkhidmatan Malaysia untuk negara dan juga dunia.

Our Organisation in Brief

Governed by the Standards of Malaysia Act 1996 (Act 549), STANDARDS MALAYSIA is an agency under MOSTI. Established more than 16 years ago on August 28, 1996, STANDARDS MALAYSIA has successfully developed Malaysian Standards (MS) and provided Accreditation Services to positively contribute to the economic, societal, environmental and national well-being.

As a custodian and authoritative body, STANDARDS MALAYSIA continually engages with our stakeholders to develop MS which will protect the interests of consumers by providing assurance on health and safety. STANDARDS MALAYSIA is also a signatory to the regional and international Mutual Recognition Arrangements and Multi-Lateral Recognition Agreements, and is subject to rigorous evaluation processes. This further enhances Malaysia's competitive edge by facilitating trade through international recognition of Malaysian products and services through MS and Accreditation. We also spearhead the Standards Component of the Strategic Reform Initiatives-Competition Standards & Liberalisation (SRI-CSL) under the Economic Transformation Programme, to primarily enhance the quality of Malaysian products and services for both the nation as well as the world.



DYNAMIC:
Ready for Challenges
and Action

VISI / VISION

Diterima Rakyat, Diiktiraf Dunia.

Accepted by Malaysians, Recognised by the World.

RESILIENT:
Always Inspiring,
Always Achieving

MISI / MISSION

Menyediakan perkhidmatan standardisasi dan akreditasi yang kredibel bagi meningkatkan kemajuan ekonomi, memelihara alam sekitar dan kesejahteraan rakyat.

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

INTEGRITY:
Transparent and
Trustworthy

VISIONARY:
Global in Approach

NILAI-NILAI **"DRIVE"** KAMI
THE VALUES THAT **DRIVE US**

EMPOWERED:
Cohesive
in Teamwork

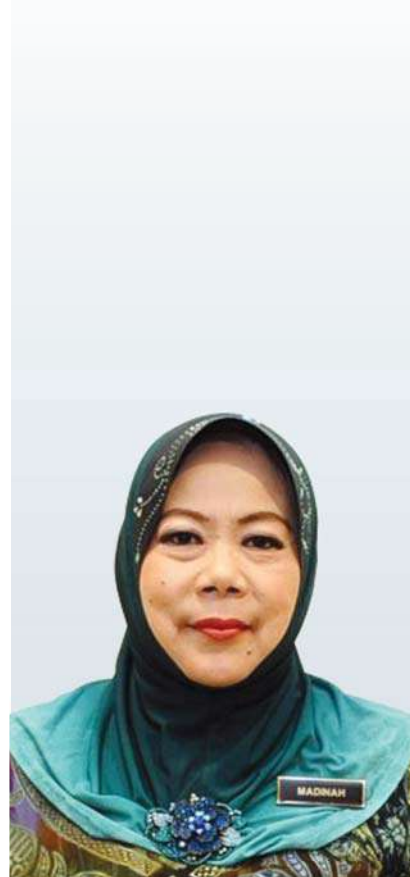
Our Organisation Structure



Pemimpin-pemimpin Kementerian dan Majlis Penasihat Ministerial and Advisory Council Leaders



YB Datuk Seri Panglima Dr. Maximus Johnity Ongkili
Menteri Sains Teknologi dan Inovasi
Minister of Science, Technology and Innovation



YBhg. Dato' Dr. Madinah Mohamed
Ketua Setiausaha, Kementerian Sains
Teknologi dan Inovasi
*Secretary General, Ministry of Science,
Technology and Innovation*



YBhg. Tan Sri Datuk Dr. Ahmad Tajuddin Ali
Pengerusi, Majlis Standard dan
Akreditasi Malaysia
*Chairman, Malaysian Standards and
Accreditation Council*

Ahli-ahli MSDAM / Members of MSAC



Malaysian Standards and Accreditation Council (MSAC), meeting No.1/2012, 14 June 2012

YBhg. Tan Sri Dr. Ahmad Tajuddin Ali
YBhg. Prof. Datin Paduka Dr. Khatijah bt. Mohd. Yusoff
YBrs. Dr. Zainal Abidin Mohd. Yusof
Puan Liew Siew Lee
Puan Harjit Kaur a/p Chand Singh
YBhg. Datin Mahani Tan Abdullah
Encik Patrick Tan Su Teck
Y.Bhg. Datu Liaw Soon Eng,
YM Raja Dato' Abd. Aziz bin Raja Muda Musa
YBhg. Prof. Dato' Dr. Mohamed Isa Abdul Majid

YBrs. Ir. Vincent Chen Kim Kieong
YBhg. Datuk Dr. Soon Ting Kueh
YBhg. Datuk Marimuthu Nadason
YBrs. Tuan Hj. Ahmad bin Ishak
YBhg. Dato' Dr. Baharom Jani
YBhg. Dato' Prof. Ir. Dr. Sahol Hamid
bin Abu Bakar
Encik Jaya Singam Rajoo
YBhg. Datin Paduka Siti Sa'adiah Sheikh Bakir
YBhg. Dato' Sri Ir. Dr. Judin b. Abd. Karim

Pengurusan Tertinggi Top Management



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Bahagian Dasar dan Standards Policy and Standards Division



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Bahagian Pengurusan Strategik Strategic Management Division



Dari kiri ke kanan / From left to right
Sarah, Azwan, Maggery, Mastura, Mahadir, Mazleen, Zulkifli, Razif, Latifah, Faiz, Nazira, Kee L.S., Zaidatul, Ashraf, Aainaa, Liza, Syazwan, Watie.

Bahagian Akreditasi Accreditation Division



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Rosnieh, Aini, Nabilah, Ainol, Jessica, Faezah, Thamilarasi, Hafan, Noraidah, Shahrul, Saadiah, Shahrul, Wong F.T., Husaini, Niza, Bernardos, Norehan, Rohaya, Chen S.F., Fatimah, Hamzaini, Rohasmizah, Juliana.

Bahagian Khidmat Pengurusan Management Services Division



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Iza, Murshida, Syarafinas, Noramirah, Wong S.K., Kamaruddin, Ghazali, Shahrizan, Omar, Roslina, Nur Rihan, Norwanis, Munirah, Liyana, Hanidah.

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