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Vision

Accepted by Malaysians,
Recognised by the World

Mission

To provide credible standardisation and accreditation services to facilitate international trade, develop industry competitiveness towards enhanced economic growth, societal and environmental well-being.

At A Glance

Governed by the Standards of Malaysia Act 1996 (Act 549), Department of Standards Malaysia (JSM- Jabatan Standard Malaysia) is an agency under Ministry of Investment, Trade and Industry (MITI), established on 28th August 1996.

JSM is the National Standards and Accreditation Body of Malaysia. We are responsible for developing and promoting Malaysian Standards (MS), as well as providing accreditation services to conformity assessment bodies such as laboratories, certification bodies and inspection bodies. Our main focus is to develop the local industry, facilitating trade and driving the country's economic growth through standardisation and accreditation activities.



Top Management



Shaharul Sadri bin Alwi



Director General



Hussalmizzar bin Hussain



Senior Director of Standardisation



Wan Rukiman bin Wan Mamat



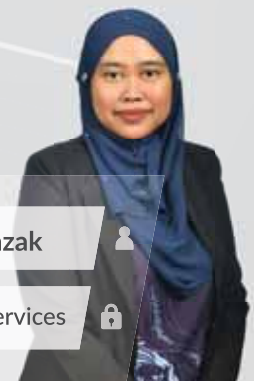
Director of Accreditation



Nor Latifah binti Hussin



Director of Strategic Planning



Nurhayati binti Abd. Razak



Director of Management Services



Foreword

2022 marked a significant change in our service delivery taking into consideration our transition towards new normality. We have introduced several programmes and services in order to meet the need and aspiration of our stakeholders, especially the users of our services.

JSM launched our new portal and a dedicated MS online sales platform namely, Malaysian Standards Online (MySQL). Besides, we also published high impact standards for sectors such as Malaysian Sustainable Palm Oil (MSPO), Adventure Tourism & Food and launched two new accreditation programmes covering Network Testing (5G) and Adventure Tourism. In addition, JSM was awarded The BrandLaureate World Halal BESTBRANDS Award for Strategic Business Alliance 2022.

Our tagline “Ada Standard, Untung!” signifies two of JSM's core services which consists of standardisation (the development of standards) and accreditation (the recognition of conformity assessment organisations), which will benefit community as end users. Standards provide protection to the community in terms of health, guaranteeing safety and a sustainable environment. Organisations that use standards can provide competitive services, more efficient and productive operations, high-quality products and facilitate international trade.

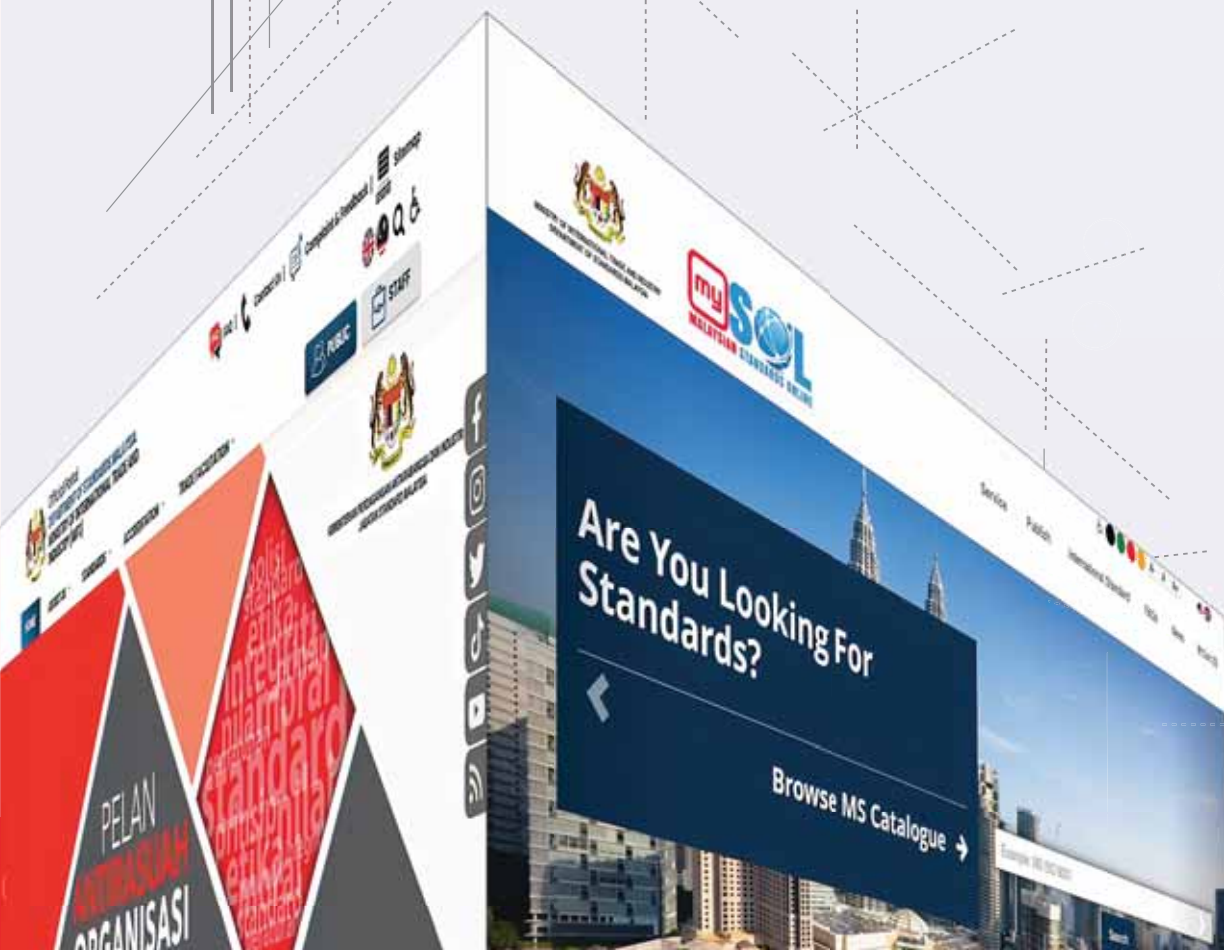
I truly hope that JSM will further progress to ensure that our services continue to benefit the *Rakyat*.



SHAHARUL SADRI BIN ALWI

Director General
Department of Standards Malaysia

Highlights of the **year**



Majlis Amanat Pengerusi MSDAM

Majlis Amanat Pengerusi Majlis Standard dan Akreditasi Malaysia (MSDAM) was held on 26th August 2022 at Dewan Serbaguna, Menara Cyber Axis, Cyberjaya in conjunction with JSM's 26th anniversary celebration. In this programme, Chairman of MSDAM, Datuk Ir. Ahmad Fauzi bin Hasan had officiated and delivered his remarks and congratulatory wishes to JSM.



Malaysian Standards Online System (MySQL)

The official launch of the Malaysian Standards Online System (MySQL) on 26th August 2022 was officiated by Datuk Ir. Ahmad Fauzi bin Hasan, Chairman of MSDAM in conjunction with *Majlis Amanat Pengerusi MSDAM*. MySQL, an acronym for Malaysian Standards Online is a platform which offers access to over 6000+ Malaysian Standards (MS) for purchase.

MySQL is an online search engine which allows user to find specific standards through keyword search function. Additionally, it offers several main features such as MS Catalogue, MS Pack, and Subscription. MS Catalogue lists the overall collection of MS while MS pack is a feature that allows user to purchase a bundle of standards that have been compiled in according to specific sectors. In addition, the subscription service is a useful feature that allows users to subscribe MS up to five (5) preferred sectors.



JSM's Organisational Anti-Corruption Plan (OACP) 2022-2026

Organisational Anti-Corruption Plan (OACP JSM 2022 - 2026) was inaugurated by YBhg Datuk Izani bin Wan Ishak, *Pengarah Bahagian Pemeriksaan dan Perundangan* on 26th August 2022 in conjunction with *Majlis Amanat Pengerusi MSDAM*.

OACP JSM 2022 - 2026 is a policy document that seeks to address issues and deficiencies in governance, integrity, and anti-corruption in the implementation of national standardisation and accreditation activities. This document represents the department's pledge to satisfy the government's aspirations for a public service characterised by integrity and excellence.



JSM will be a competent, corruption-free, and high integrity organisation through the implementation of 45 initiatives. This is a significant step in JSM's ongoing efforts to realise the government's vision of a genuinely honest and excellent public service.

JSM's New Portal

YBrs Tuan Shaharul Sadri bin Alwi, Director General of JSM launched the new JSM Official Portal on 1st December 2022 in conjunction with *Majlis Perhimpunan Bulanan JSM*. Six (6) enhanced features of the new portal consists of the latest technology, clean interface, functional and user-friendly, a simple and attractive design, strategic design and a corporate identity which can be accessed via <https://www.jsm.gov.my>



ISO Annual Meeting 2022



ISO Annual Meeting is a keystone event in the ISO calendar which features thematic sessions, the networking opportunities, the ISO General Assembly and the related governance meetings. The 2022 meeting took place in Abu Dhabi, UAE from 19th to 23rd September 2022.

YBrS Tuan Shaharul Sadri bin Alwi, Director General of JSM led the Malaysian delegation to this event. This meeting which included interactive polls, live Q&A and commenting platform witnessed more than 5,000 participations globally.

86th IEC General Meeting



Every year, IEC standardisation and conformity assessment experts, member and the affiliate countries as well as the management boards gather at the week-long IEC General Meeting. The General Meeting uniquely combines management and technical meetings. Stakeholders from around the world come together to decide on current issues, as well as future directions and strategies for IEC.

In the 86th IEC General Meeting 2022 which was held in San Francisco, United States from 31st October to 4th November 2022, Malaysia was represented by YBhg Dato' Ir. Ts. Abdul Razib bin Dawood, President of Malaysia IEC National Committee (MY IEC NC), Mr. Hussalmizzar bin Hussain, Secretary of the MY IEC NC and Mr. Mahadir bin Mohamed.

The gathering of almost 2,000 people which came from 90 different nations provided opportunities for the international leaders to recognise the need of standardisation and for the technical groups to meet together.

The recently established IEC Global Impact Fund (GIF) was launched to offer grants to assist the selected enterprises in leveraging up the IEC expertise. The first GIF project will focus on the issue of turning electronic trash into electronic resources.

Apart from this, the five-day IEC Young Professionals Programme was a significant component of the IEC event to the 85+ young professionals from 60 different countries. Malaysia was represented by Ir. Eur Ing Ts. Dr. Lau Chee Yong, a member to the Institution of Engineers, Malaysia. He is also a Senior Lecturer of the Asia Pacific University of Technology and Innovation.

This programme had fostered chances for professional leadership by having youth representatives in groups on topics such as diversity, energy efficiency and the SDGs, emerging technologies, and markets. It is essential to grow the next generation of leaders and preparing them to take the initiative in addressing the issues that lie ahead.



Forum Bersama Pengerusi Jawatankuasa Pembangunan Standard



This forum was organised by Standardisation Division, JSM at Sama Sama Hotel, KLIA, Sepang on 7th November 2022. It was attended by more than 500 participants comprising chairpersons from 27 National Standard Committees (NSC) including its Technical Committees (TC) and Working Groups (WG). This forum was launched by YBhg Datuk Ir. Ahmad Fauzi bin Hasan, Chairman of *Majlis Standard dan Akreditasi Malaysia* (MSDAM).

This forum provided updates and information on national and international standardisation activities. In addition, this forum had also provided a platform for participants to exchange views and create network among experts.

New Area of Accreditation

Network Testing (5G) & Adventure Tourism Certification

Majlis Standard dan Akreditasi Malaysia (MSDAM) approved the establishment of Network Testing (5G) under *Skim Akreditasi Makmal Malaysia* (SAMM) and Adventure Tourism Certification under the ACB Scheme on 13th October 2022.

The accreditation criteria for Network Testing (5G) is based on MS ISO/IEC 17025: 2017 – General requirements for the competence of testing and calibration laboratories and the STR 1.15 – Specific Technical Requirements for Accreditation of Network Testing Laboratories.



The accreditation services for this area will help to strengthen confidence in broadband network service providers and telecommunications product designers. This new field covers security aspects of hardware, applications, systems and infrastructure based on network technology.

For Adventure Tourism Certification, the criteria are as follows:

Accreditation Criteria:

- a. ISO/IEC 17021-1:2015 – Conformity assessment – Requirements for bodies that provides auditing and a certification of management systems – Part 1: Requirements; and
- b. ISO/IEC 17021-10:2018 – Conformity assessment – Requirements for bodies that provides auditing and a certification of management systems – Part 10: Competence requirements for auditing and certification of occupational health and safety management systems.

Certification Criteria:

- a. ISO 21101:2014 – Adventure tourism – Safety management systems – Requirements.

Adherence to these standards by tour operators can ensure a better management of safety records, strengthen reputation as a safe travel service provider and improve overall service delivery. Hence, this may lead to positive feedback from users of travel services, increased revenue, better staff engagement, and better relationships with business partners, suppliers, regulators and other stakeholders.

Both programmes were launched by YBrS Tuan Shaharul Sadri bin Alwi, Director General of JSM, on 1st December 2022.

The BrandLaureate World Halal BESTBRANDS Awards for Strategic Business Alliance

The BrandLaureate World Halal BestBrands Award 2022 for Strategic Business Alliance category was awarded to JSM in empowering the halal industry development through standards. The event was a tribute to experts and stakeholders who worked closely with JSM in spurring standard development activities, accreditation service and halal certification in various fields such as food products, pharmaceutical and tourism.



MITI Day 2022



MITI Day 2022 was held on 16th October 2022 at Melawati Mall, Kuala Lumpur. Several activities were carried out in conjunction with MITI Day 2022 which includes cycling, fun walks, career fairs and exhibitions by the industry. This programme was officiated by YB Dato' Seri Mohamed Azmin bin Ali. The programme received encouraging response from all participants.

National Sports Day

The government declared 9th October as the National Sports Day with aim to transform Malaysia into a sporting nation and inculcate healthy lifestyle.

JSM celebrated the National Sports Day on 6th October 2022 at Dewan Serbaguna, Menara Cyber Axis, Cyberjaya. This event was officiated by Mr. Hussalmizzar bin Hussain. Various activities were conducted such as pound workout and physical & mental fitness awareness.



Certified Sustainable Palm Oil (CSPO) Forum 2022 & The Launching of MSPO Standards

CSPO Forum was held in conjunction with the launching of two Malaysian Sustainable Palm Oil (MSPO) standards, namely MS 2530:2022 MSPO standard series and MS 2751:2022 MSPO Chain of Custody of Oil Palm Biomass standard. These events were jointly organised by JSM & Malaysian Palm Oil Certification Council (MPOCC).

Both events which were held on 22nd March 2022 at Le Meridien Hotel, Putrajaya, was launched by YB Datuk Hajah Zuraida binti Kamaruddin, Minister of Plantation Industries and Commodities. These events were attended by various categories of stakeholders and received very responsive participation, in which numerous intra-communications pertaining to the standards took place.

During the events, JSM took the opportunity to promote Malaysian Standards and newly introduced online purchase platform, MySQL, by offering sales at an attractive discounted price for a set of 8 booklets of MSPO standard series.



Seminar on Adventure Tourism



The Seminar Ada Standard Untung! MS ISO 21101 Adventure tourism- Safety Management systems - Requirements was jointly organised by JSM and the Ministry of Tourism, Arts, and Culture on 23rd March 2022 at Sama Sama Hotel, KLIA, Sepang. This seminar was officiated by YBhg Datuk Mohd Zamri bin Mat Zain, Deputy Secretary General (Tourism) and attended by 100 participants.

The objective of the seminar were to provided awareness on MS ISO 21101:2014 Adventure tourism- Safety Management systems – Requirements and information regarding the implementation of adventure tourism certification in Malaysia.

Seminar on Good Manufacturing Practice (GMP)

JSM organised a seminar to announce and promote new version of MS 1514:2022 – Good Manufacturing Practice. This seminar was officiated by Senior Director of Food Safety and Quality Division, Ministry of Health (MOH) on 13th July 2022 at Sama Sama Hotel KLIA, Sepang and was attended by 130 participants.



Following the overwhelming response in Kuala Lumpur, JSM has also organised the MS 1514 GMP seminars in Kuching, Sarawak and Kota Kinabalu, Sabah on 11th October 2022 and 13th October 2022, respectively. These seminars were to promote the new MS and provide opportunities for the food industries in Borneo to familiarise with MS 1514. These seminars were also supported by Ministry of Health as a co-organiser.

Public Consultation for MS on Corruption Risk Management (CRM)

Public Consultation for MS on Corruption Risk Management (CRM) was held on 22nd August 2022 at Tenera Hotel, Bandar Baru Bangi. It was attended by various category of stakeholders from different sectors which included certification Bodies, Regulators, *Institusi Latihan Pencegahan Rasuah*, higher learning Institution and Industries.



The opening speech was presented by YBhg Dato Muhammad Salim Sundar bin Abdullah, Chairman of Working Group on Corruption Risk Management. The main objective of this consultation were to obtain views and input on the draft MS on CRM which was undergoing public comment during the period.

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The First Meeting on the Development of a Competency Framework for Persons Involved in Standards Development

The First Meeting on the Development of a Competency Framework for Persons Involved in Standards Development was held from 5th to 7th September 2022 at ISO Central Secretariat Office in Geneva, Switzerland. JSM was represented by Ms Nor Faedah binti Mohamad Arif, as one of the participant to contribute for the development of this framework. 20 participants from 20 countries, and an IEC representative attended this 3-day meeting facilitated by Dr. Cynthia Woodley and Mr. Vijay Krishna from USA.



The output of this project will be a list of tasks and associated knowledge and skills (competencies) for a person who is developing standards, needs to possess. The output may be used for a variety of activities including developing training for standard development capacity building, developing a certification for standards development professionals, developing job descriptions and developing performance evaluation criteria.

Program Pembudayaan Standard dan Kualiti untuk Generasi Muda on Halal

Program Pembudayaan Standard dan Kualiti Untuk Generasi Muda on Halal was held in collaboration with Kolej Profesional Baitulmal Kuala Lumpur (KPBKL) on 13th October 2022 at Dewan Serbaguna, Menara Cyber Axis, Cyberjaya.

It aimed to provide awareness and understanding to students regarding Malaysian Standards related to halal and its implementation which also covered the importance of halal to the Muslim industry and consumers. This programme was attended by 150 students from KPBKL who are currently pursuing the Halal Industry Management Diploma Program. The guest speakers for this programme were from JAKIM and MAMEE Double Decker (M) Sdn. Bhd.





Seminar on Halal Medical Device

Seminar on Halal Medical Device was held on 31st October 2022 at Sama Sama Hotel, KLIA, Sepang. It was attended by almost 140 participants that comprised of stakeholders from the medical device industry as well as related authorities. The guest speakers were representatives from JSM, JAKIM and Medical Device of Authority, Ministry of Health Malaysia.

This programme aimed to provide information and updates on the halal certification requirements which included MS 2636:2019 - Halal medical device - General requirements, MPPHM, MHMS and medical device legislation. In addition, this programme had also provided a platform for participants to enquire on issues related to halal for better understanding.

The ASTM Informational Webinar on Playground Equipment and Surfaces

ASTM Informational Webinar on Playground Equipment and Surfaces was held virtually via Zoom on 5th October 2022. The webinar was organised by ASTM secretariat, Ms. Teresa Cendrowska and it was attended by participants from various organisations and members of TC 24/WG 1 (Playground Equipment). The speaker, Mr. Lloyd Reese from PlayCore had delivered his presentations during the webinar.

The objectives were to learn about the origins of standards, the evolution of each since their initial release and an overview of the content of ASTM F1292 - Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment, ASTM F1487 - Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, ASTM F2223 - Standard Guide for ASTM Standards on Playground Surfacing and also the importance for the MS Development/ Revision process to run smoothly and efficiently.



Webinar on Kesedaran Mengenai Kertas Buangan

An awareness seminar titled Webinar on *Kesedaran Mengenai Kertas Buangan* was held virtually via Google Meet on 10th November 2022. The webinar was officiated by YBrS Tuan Shaharul Sadri bin Alwi, Director General of JSM. A total number of 73 participants from various organisations attended this webinar.

The speakers from Ministry of Investment, Trade and Industry (MITI), Forest Research Institute Malaysia (FRIM), SIRIM and QAS International Sdn. Bhd. delivered their presentations during the webinar.

The objectives of this webinar were to promote two provisional standards, MS EN 643:2021 (P) – Paper and board – European list of standard grades of paper and board for recycling and MS EN 17085:2021 (P) – Paper and board – Sampling procedures for paper and board for recycling that were published in March 2021. It was also to gain view and input from the participants to be addressed in both MS for future revision work.



Regional Workshop to Develop an Organizational Gender Action Plan (GAP)

Regional Workshop to Develop an Organizational Gender Action Plan (GAP) was held from 29th November to 1st December 2022 in Manila, Philippines and was hosted by the Bureau of Philippine Standards (BPS). Ms. Nor Faezah binti Mohamad Arif and Ms. Norliyana binti Haslin had represented JSM to attend this workshop.



This workshop had enabled the ISO members to attain concrete gender-related objectives in their organisation's work through the development and implementation of a national GAP. The workshop ensured that members were given the knowledge to establish, implement, and measure their GAP independently to build long-term national capacity.



Road Safety Traffic Management Systems Programme

JSM and Malaysian Institute of Road Safety Research (MIROS) had jointly organised *Program Pemerkasaan Sistem Pengurusan Keselamatan Trafik Jalan Raya* on 22nd December 2022 at Ministry of Transport (MOT) Malaysia, Putrajaya.



YB Anthony Loke Siew Fook, Minister of Transport Malaysia had officiated the closing ceremony of the programme, while Mr. Jean Todt, the United Nations (UN) Secretary-General's Special Envoy for Road Safety as the guest of honour was also present and delivered a special road safety message to the participants.

Amongst the objectives of the session were to engage the local stakeholders towards the importance of road traffic safety as well as to create awareness on related standardisation activities in Malaysia. A briefing on the draft MS on work-related road traffic safety management was also held to obtain comments and views on the content prior to finalisation. This session also witnessed the award of MS ISO 39001 – Road traffic safety (RTS) management systems – Requirements with guidance for use certification to MIROS.

Forum with Assessors 2022

Forum with Assessors 2022 was held as a hybrid event at Hotel Bangi Resort, Bangi and virtually through Google Meet on 31st October 2022 to 2nd November 2022. This forum was officiated by YBrS Tuan Shaharul Sadri bin Alwi, Director General of the JSM.



The first day forum was attended by 172 assessors and officers from various schemes (SAMM, MIBAS & MyPTP), while the second day was attended by 130 SAMM medical testing assessors and the third day was attended by 36 ACB assessors and officers.

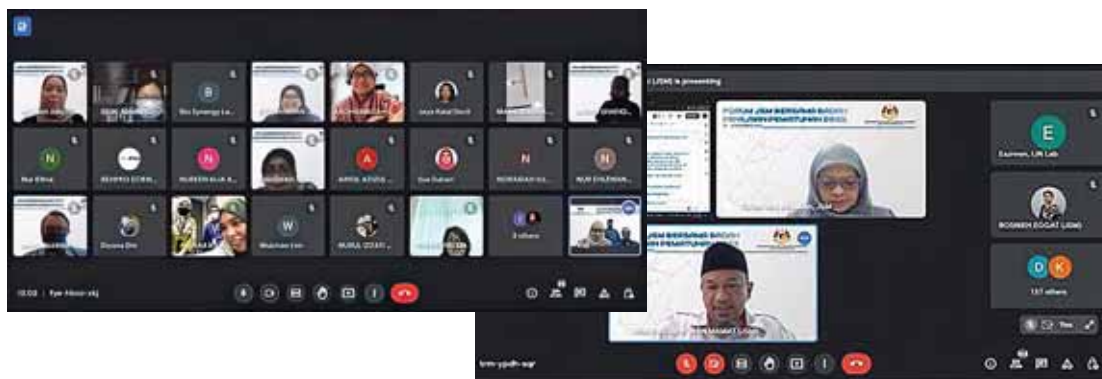


During this forum, JSM had invited some speakers to update on the latest acts, regulations and also information relevant to the assessors. The invited speakers were as follows:

Name of the Speakers	Title	Date
Mr. Pua Hiang Chairman of SC 1.2	Briefing on Specific Criteria for Accreditation in the Field of Chemical Testing (SC 1.2)	31 st Oct 2022
Ms. Nurul Syuhada binti Mohamad Basri Food Safety and Quality Division Ministry of Health Malaysia	Briefing on Food Acts and Regulations	31 st Oct 2022
Mr. Muhammad Akmal Muzhafar bin Azman Wong NIOSH	Briefing on Acts and Regulations Related to Laboratory Safety	1 st Nov 2022
Ms. Salbiah binti Yaakop Medical Device Authority	Briefing on Acts and Regulations under the Medical Device Authority	2 nd Nov 2022
Ms. Arni Shahrina binti Shaharum SPAN	Briefing on Acts and Regulations under National Water Services Commission (SPAN)	2 nd Nov 2022
Sr. Nazir bin Muhamad Nor CIDB	Briefing on Acts and Regulations by CIDB	2 nd Nov 2022

Forum with Conformity Assessment Bodies 2022

An online Forum with Conformity Assessment Bodies 2022 was conducted consecutively in three sessions from 14th to 16th November 2022. A total of 640 participants were from the applicant and accredited Conformity Assessment Bodies (CABs) that included medical testing, calibration laboratories, proficiency testing provider and certification bodies.



This forum was focused on updating the accredited CABs on JSM's new accreditation policy and procedures. A dialogue session chaired by Mr. Wan Rukiman bin Wan Mamat, Director of Accreditation was conducted at the end of the programme.

MS ISO/IEC 17025:2017 Laboratory Accreditation Certificate Presentation Ceremony for Forensic Engineering Laboratory (FEL)

The certificate presentation ceremony for MS ISO/IEC 17025:2017 Accreditation to Forensic Engineering Laboratory (FEL) was held on 20th January 2022 at Department of Occupational Safety and Health (DOSH), Putrajaya. YBrs Tuan Shahrul Sadri bin Alwi, Director General of JSM presented the accreditation certificate to YBrs Tuan Ir. Zailee bin Dollah, Director General of DOSH. Forensic Engineering Laboratory (FEL)



under the responsibility of the Forensic Engineering Division, DOSH was established in December 2010 to carry out testing and analysis of exhibits for cases investigated by the department. FEL testing focuses on the metallurgy aspect, where the outcomes are used to support the determination of an accident's root cause.

FEL has the capability to carry out Hardness Test, Material Composition Analysis, Fractography Analysis and Microstructure Analysis.

MS ISO/IEC 17025:2017 Laboratory Accreditation Certificate Presentation Ceremony for Malaysia Halal Analysis Centre (MyHAC)

A historic moment for Malaysia Halal Analysis Centre (MyHAC) under Department of Islamic Development Malaysia (JAKIM) as they officially received the MS ISO/IEC 17025:2017 accreditation certificate at Auditorium of Malaysian Islamic Development Department (JAKIM), Putrajaya on 27th June 2022.

The accreditation certificate was presented by YBrs Tuan Shaharul Sadri bin Alwi, Director General of JSM to YBhg Datuk Hajah Hakimah binti Mohd Yusoff, Director General of JAKIM and witnessed by YB Senator Datuk Haji Idris bin Haji Ahmad, Minister at the Prime Minister's Department (Religious Affairs). This ceremony was also attended by HEA agency members and representatives from other government agencies including Department of Chemistry Malaysia (JKM) and Food Safety and Quality Division, Ministry of Health Malaysia.



MyHAC was established in 2015 by JAKIM to support and empower Malaysia Halal Certification Scheme. MyHAC provides analytical services in halal analysis comprising chemical, physical and biotechnology testing. Accreditation in scope of alcohol testing is only the beginning of future halal analysis endeavours at MyHAC.

Training Course on SMM Accreditation Process and Assessment for MS ISO/IEC 17025 Assessors 2022

JSM organised a Training Course on SMM Accreditation Process and Assessment for MS ISO/IEC 17025 Assessors 2022 for new assessors under *Skim Akreditasi Makmal Malaysia (SMM)*. This training was held on 24th to 26th August 2022 at Marriott Putrajaya Hotel.

This training was a prerequisite requirement to fulfil the appointment criteria as an assessor under this scheme. A total of 52 participants, who are experts from various testing and calibration fields, were selected and attended this training.

Invited speakers were experienced Lead Assessor, ChM. Pua Hiang and Director of Accreditation, Mr. Wan Rukiman bin Wan Mamat, as well as accreditation officers such as Mr. Roslan bin Alias, Ms. Rosnieh Eggat, Ms. Rohasmizah binti Ismail and Ms. Wong Fei Ting were involved as speakers in this training.



Short-Term Attachment Training for National Centre of Accreditation (NCA), Republic of Kazakhstan

JSM conducted a Short-Term Attachment Training for delegates from the National Centre of Accreditation (NCA), Republic of Kazakhstan for 6 days from 29th August to 6th September 2022. The delegates were Mrs. Gulnur Davletova, Dr. Amil Suleimanov, Ms. Anara Issakova and Mrs. Anar Yessenzhulova. This training included briefings on the Good Laboratory Practice Compliance Programme (GLP CP) and accreditation programmes offered by JSM. In addition, the delegates were also given an explanation of the OECD Principles of GLP and requirements of the standard ISO 13485:2016. The delegates also participated as observers in GLP surveillance inspection at selected test facility and MDQMS remote assessment conducted by JSM.

Recognition of the OECD Principles of GLP is one of the services offered by JSM to recognize test facilities that conduct non-clinical health and environmental safety studies on chemicals or chemical-based products for registration or licensing with regulatory authority. The principles aimed to ensure the quality and integrity of data generated by testing facilities, and to promote the safety of products that are tested using non-clinical safety studies. The principles covered all aspects of non-clinical safety studies including the planned, performed, monitored, recorded, reported and archived studies.

Meanwhile, Medical Device Quality Management System (MDQMS) programme is under Accreditation Certification Bodies (ACB) Scheme that certifies the competence of certification bodies providing ISO 13485 certification to medical device manufacturers, distributors and related organisations.



APEC Sub-Committee on Standards and Conformance (SCSC)

2022 had witnessed Thailand as the host and Chair of the Asia-Pacific Economic Cooperation (APEC). The 1st SCSC Meeting of 2022 (SCSC1) was held virtually on 15th to 16th February 2022 due to the ongoing COVID-19 pandemic concerns at the time. During the virtual meeting, Malaysia had reported the success of two APEC SCSC projects overseen by JSM, namely “13th SCSC Conference: Standardisation in Circular Economy for a More Sustainable Trade” and “Workshop on Understanding the Role and Impact of Voluntary Sustainable Standards (VSS) to Trade in the APEC Region”. Malaysia had also presented a proposal of another APEC-approved project overseen by University of Malaya titled “NGS-based Microbial Testing for Probiotics Products: Protocol Development and Laboratory Capacity Building”.



As we have entered the endemic phase of COVID-19, the second SCSC Meeting of 2022 (SCSC2) was held on 19th to 20th August 2022 in hybrid mode for the first time in 2 years after the COVID-19 hit the globe in 2020. Attending the meeting physically in Chiang Mai, Thailand. JSM has reported the success of yet another Malaysian APEC SCSC project in 2022 has overseen by *Universiti Kebangsaan Malaysia (UKM)* and National Metrology Institute of Malaysia (NMIM) titled “Capacity Building Workshop on Understanding Conformity Requirements for Software Controlled Weight and Measuring Instruments for Sustainable Trade”.

During the meeting, Malaysia had also sought views from APEC member economies to include quality infrastructure as one of the topics under the policy discussion agenda in upcoming SCSC meetings and the suggestion was supported by many of the economies.

The meeting was followed by a bilateral meeting between JSM delegates and the Korean Agency of Technology and Standards (KATS) delegates to discuss potential future cooperation in standards and conformance. JSM delegates had also attended the public-private dialogue in Chiang Mai on Promoting Transparency of TBT WTO Notifications: Improving Completeness and Clearness of Information, organised by Peru’s focal point in APEC Committee on Trade and Investment (CTI).

Workshop on Technical Barriers to Trade (TBT) for Regulator

Workshop on Technical Barriers to Trade (TBT) for Regulators was organised on 22nd to 23rd June 2022. The objective was to enhance awareness on the importance of complying to the World Trade Organization Technical Barriers to Trade (WTO TBT) Agreement. The regulators were the focus group. This workshop was participated by more than 40 ministries and government agencies. The 2-days workshop had served as a platform for the regulators to have a better understanding on JSM and the regulators' roles in facilitating trade particularly through Standards, Technical Regulation and Conformity Assessment Procedures (STRACAP) while maintaining compliance to the WTO TBT Agreement.

Apart from that, the workshop had also covered other elements of trade facilitation including National Quality Infrastructure (NQI), Good Regulatory Practice (GRP) and initiatives to widen the standards usage and conformance through initiatives such as the Standards Compliance Stewardship Programme for Enterprises (ESCAPE). One of the main highlights was the knowledge sharing session where the regulators from three (3) sectors – Electrical and Electronics Equipment, Food & Beverages and Consumerism had to exchange information on the best regulatory practices that implemented by the respective organisations, challenges and issues and way forward on how the enforcement could be further improved.

JSM had received positive feedback where all participants agreed that the workshop had achieved its intended objectives.



QC Kentei Examination in Malaysia

Under ASEAN–Japan Comprehensive Economic Partnership (AJCEP), a pilot project titled “Development of ASEAN Common Qualification Scheme for Quality Control Experts” which was funded by the Japan–ASEAN Integration Fund (JAIF) has been initiated. Malaysia and 3 other ASEAN Member States have been chosen to implement this pilot project during the 56th ACCSQ Meeting. In order to implement this project in Malaysia, JSM had collaborated with *Universiti Kuala Lumpur* – Malaysian Institute of Industrial Technology (UniKL MITEC) to organise QC KENTEI Examination.

The examination was conducted in Malaysia on 16th October 2022 in two separate sites which were Johor Bahru, Johor and Bangi, Selangor. The 41 examinees had participated in the QC KENTEI Examination at the Bangi site and it was held in *Universiti Kuala Lumpur* – Malaysia France Institute (UniKL MFI). Another 32 examinees had participated at Johor Bahru site and it was held in UniKL MITEC Campus, Johor Bahru.



The official results of this QC KENTEI Examination had been announced in early January 2023 and 68% of the first batch examinees in Malaysia had passed the examination. JSM wished to thank UniKL MITEC for all the hardwork in planning, preparing and executing the pilot QC KENTEI Examination in Malaysia.

Workshop on Technical Barriers to Trade (TBT) for Industries

Workshop on Technical Barriers to Trade (TBT) for Industries was organised on 8th November 2022 with the objective to enhance awareness on How Standards, Technical Regulation and Conformity Assessment Procedures (STRACAP) could facilitate trade & business and not become the obstacles, while still maintaining compliance to World Trade Organization Technical Barriers to Trade (WTO TBT) Agreement. Industries, mainly exporters were the focus group. This workshop was participated by more than 110 entrepreneurs from various sectors such as food & beverages, plastics, medical products & healthcare, and so on.



The 1-day workshop had served as a platform for industries to have a better understanding on JSM's roles in facilitating trade particularly through STRACAP. Apart from that, it also has covered other elements of trade facilitation including National Quality Infrastructure (NQI) and initiatives to widen the standards usage and conformance through initiatives such as The Standards Compliance Stewardship Programme for Enterprises (ESCAPE). One of the activities for this seminar was a series of online quiz where participants had to evaluate or test their understanding based on the presentations given. As the co-organiser, MATRADE was tasked to disseminate the information on this seminar to the industry players.



JSM had received positive feedback where 98.2% of the participants would recommend other industry players to attend this workshop in the future.

The NQI Assessment and Development of Draft NQP Project

JSM embarked on a project to assess the current situation on The Malaysia's National Quality Infrastructure (NQI) and set the stage for developing the draft National Quality Policy (NQP). The project was one of three other main projects funded under ARISE Plus Malaysia Trade-Related Technical Assistance (TRTA) Programme. This programme aimed to contribute to the progressive achievement of ASEAN AEC Blueprint 2025 and to the realisation of the 12th Malaysia Plan.

On the overall governance, The International Trade Centre (ITC) was appointed as implementing organisation and MITI (Bilateral Economic and Trade Relations Division) functions as the national focal point. Specific for this project, a project team was comprised from the consultant team, ITC, JSM, MITI (Investment Policy and Trade Facilitation Division), SIRIM STS Sdn. Bhd., Malaysia Productivity Council (MPC) and National Metrology Institute of Malaysia (NMIM) were established to manage the implementation project.



The project deliverables were monitored, endorsed and approved through the Technical Committee (TC) and Steering Committee which comprises of representatives from all NQI components at operational and policy levels respectively.

The NQI Assessment and Development of Draft NQP Project was conducted in two phases. The phase one activities focused on the mapping and assessment of the NQI of Malaysia. The assessment deployed The Rapid Diagnostic Toolkit (RDT) was developed by the World Bank and the German Metrology Institute (PTB) to assess the NQI performance on the supply side.

A user survey on the NQI services based on World Bank Enterprise Survey methodology was conducted across all economic sectors to understand the current and future demand of NQI users in Malaysia. The findings revealed that Malaysia’s NQI system is reasonably advanced for an economy of its size, despite its uncoordinated development. Gap analysis was also conducted using SWOT analysis from which 43 key recommendations were documented as key takeaways.

Malaysia’s NQI were also reviewed using the Global Quality Infrastructure Index (GQII) data, where the development status of each country’s QI and its components were ranked. Malaysia is ranked at 40th place from 184 countries with an overall score of 86.3% in 2020. Based on the assessment approach, the Malaysia’s NQI was also assessed in comparison with selected four countries namely Germany, Australia, Indonesia and Mexico. As for phase two, it comprised activities relating to the development of the draft NQP. The NQI Assessment Report and draft NQP was endorsed by the TC and approved by the SC in October and November 2022 respectively. Based on the progressive deliverables, ITC has offered to extend the funding of the project to phase three which focused on the development of the NQP. SC has approved the project extension from January to December 2023.

National Trade Blueprint (NTBp) Working Group 2: Standards and Compliance

Working Group 2 (WG2): Standards and Compliance is one of the 8 Working Groups has been established to implement the recommendations of National Trade Blueprint 2021 – 2025. JSM is appointed to lead WG2, which has been entrusted with the implementing recommendations to ease the cost related to the conformity assessment procedures in regards with exports.



Currently, WG2 had gathered the information from the industry on the issues related to cost of certification/testing and the other requirements that need to be complied with for the export purpose. This group is also functioned into mapping testing and certification capabilities in

Malaysia by using data from the conformity assessment bodies that are accredited by JSM. It had allowed the gap between the supply/ demand of the conformity assessment services to be identified and it had enabled this information to be accessed easily by the industry.

2021 National Standards and Accreditation Award Ceremony

JSM organised The National Standards and Accreditation Award since year 2000 with the aim of recognising individuals or agencies that made a noteworthy contribution in the fields of standardisation and accreditation. For year 2021, the recipients of the award were as follows:

Anugerah Standard Kebangsaan:

1. Ir. Raghib bin Fasih Azmi
2. Ir. Dr. Syed Mustafa Kamal bin Syed Aman
3. Ir. Tan Chow Heang
4. Dr. Priya Ragunath
5. Mr. Kamarul Ariefin bin Rosli

Anugerah Akreditasi Kebangsaan:

1. Mr. Cheah Wai Kong
2. Mr. Mohamad Rastari bin Kassim
3. Mr. Woo Seng Khee
4. Mr. Alex Francis Lourdes
5. Ms. Linda Gertrude Peterson



Standards Compliance Stewardship Programme for Enterprises (ESCAPE)

ESCAPE was launched on 3rd September 2020 with the aim of assisting the industry to comply with standards through technical training and advisory services. Ten series of technical trainings were conducted in 2022. With the slogan ‘from awareness to compliance’, ESCAPE focused on building the standards compliance through the following phases:

- i. Awareness – exposure to standard compliance and the importance of obtaining certification on specific standards;
- ii. Interpretation – strengthen the understanding on requirements of relevant standards;
- iii. Implementation – provide guidance on development of documentation systems and internal auditing of own management systems; and
- iv. Certification – matching the companies with agencies that provides the funds/ grants.

In total, 58 companies participated the ESCAPE programme in 2022 under five (5) industrial sectors:

- i. Road Traffic Safety Management Systems (RTSMS);
- ii. Business Continuity Management Systems (BCMS);
- iii. Halal Food;
- iv. Halal Cosmetics; and
- v. Occupational Health and Safety Management Systems (OSH).



The technical trainings were conducted free of charge to the participants focusing Micro, Small and Medium Enterprises (MSMEs) group. As a result of the programme, 6 companies have successfully obtained the certification under their respective certification programmes. ESCAPE will continue to aspire industries on the importance of certification to value add their business.



S

Figures & Statistics

(As of year 2022)



Number of Malaysian Standards (MS) by Sectors

Agriculture, Food and Commodities

164
NSC 01 – Agriculture



158 NSC 14 – Rubber and Rubber Products



91 NSC 22 – Timber, Timber Products and Timber Structure



292 NSC 21 – Food, Food Products & Food Safety



53 NSC 24 – Oil Palm and Its Products

Halal, Lifestyle and Transport

16 NSC 20 – Tourism, Exhibition and Hospitality Services

449 NSC 05 – Power Generation, Transmission and Distribution of Energy

Electrotechnical, ICT and Construction

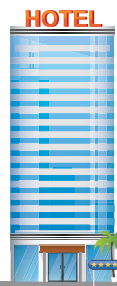
5 NSC 03 – Consumer Interests



35 NSC 09 – Halal



34 NSC 17 – Textiles and Apparels



212 NSC 12 – Transport

408 NSC 04 – Building, Construction and Civil Engineering



94 NSC 11 – Logistics



366 NSC 19 – Electrical and Electronics Equipments and Accessories

186 NSC 07 – Information Technology, Communications and Multimedia

1 NSC 26 – Smart city



Material, Industrial and Engineering

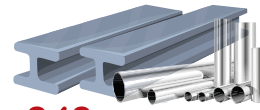
550

NSC 02 –
Chemicals and
Materials



159

NSC 08 –
Petroleum and Gas



240

NSC 16 –
Metallic Materials and
Semi-Finished Products

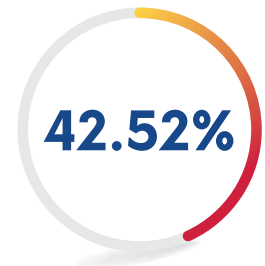
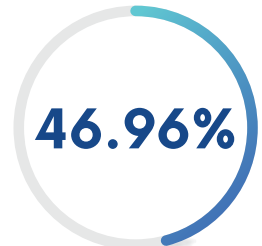
212

NSC 06 –
Mechanical
Engineering



330

NSC 10 – Plastics and
Plastic Products



102

NSC 13 –
Fire Safety



Business Management and Occupational Safety

101

NSC 25 –
Quality and
Organisational
Management



94

NSC 27 –
Environmental
Management



278

NSC 18 –
Medical Devices
and Facilities
for Healthcare



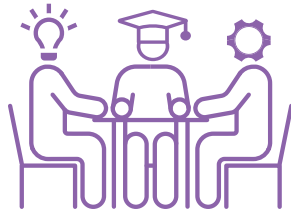
121

NSC 23 –
Occupational
Safety and
Health



Number of Committees and Experts in Standardisation

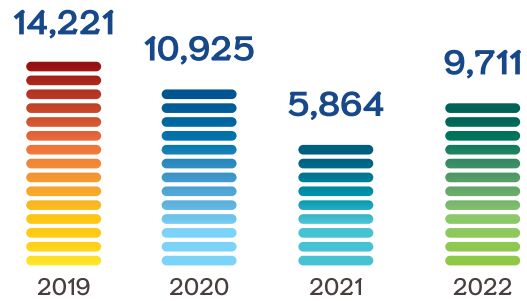
8,468
Experts



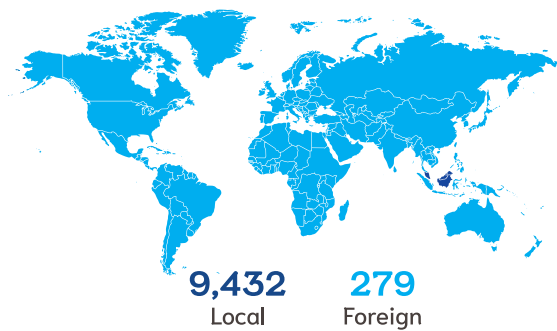
524
Committees



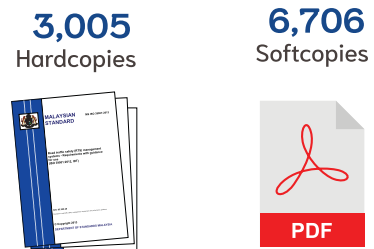
Copies of MS Sold from 2019 to 2022



Copies of MS Sold

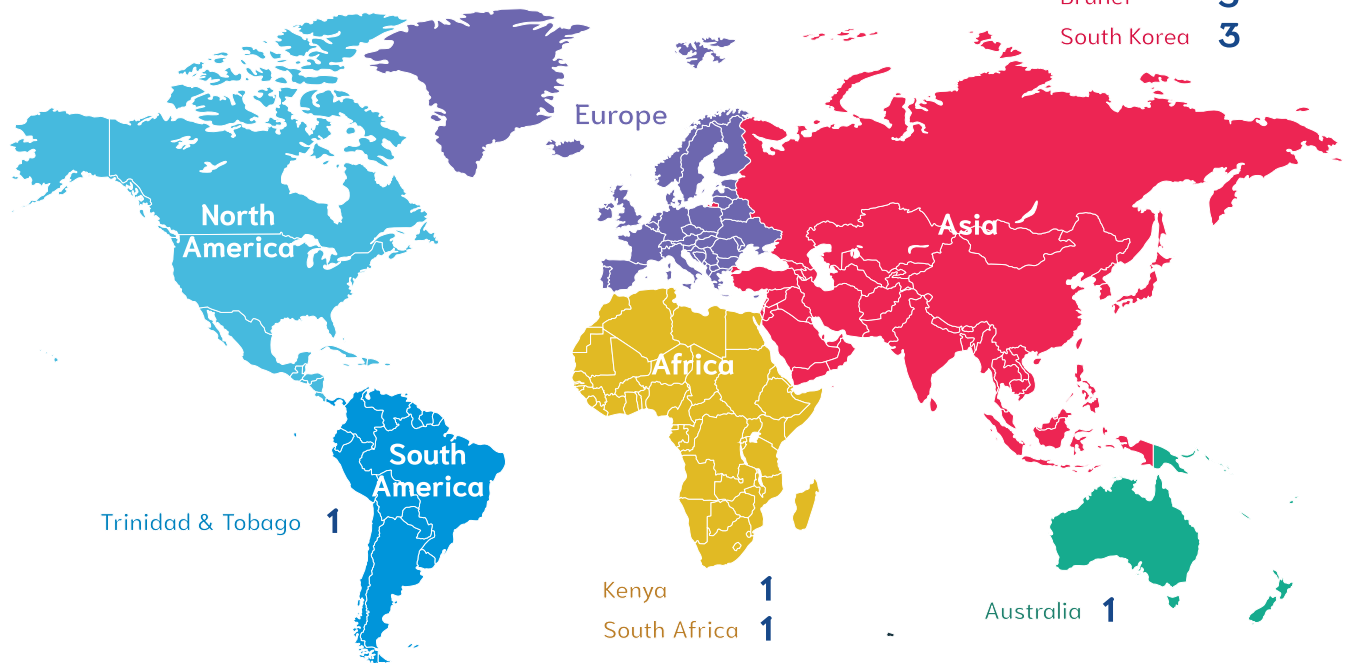


Types of MS Sold

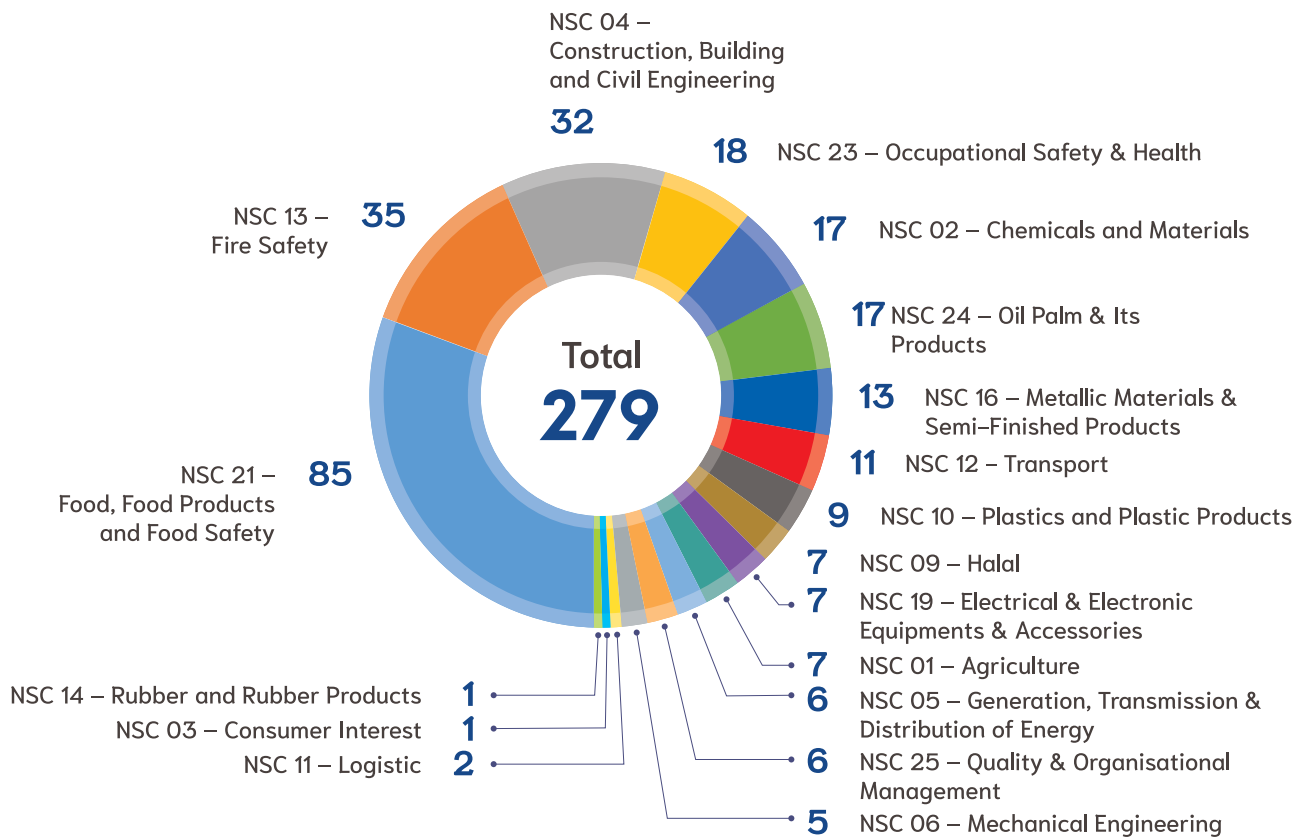


Copies of MS Sold by Foreign Buyers

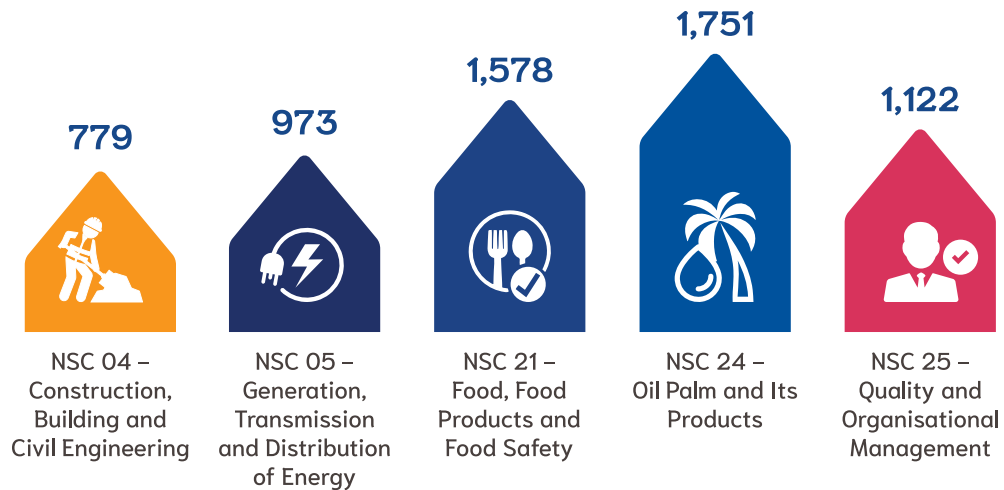
United States of America	93	Belgium	8	Philippines	57
Caymen Island	1	Germany	5	Hong Kong	20
		Switzerland	3	China	17
		Spain	2	Indonesia	14
		Turkiye	2	Singapore	12
		Denmark	1	Japan	11
		Italy	1	India	8
				Thailand	6
				Vietnam	6
				Brunei	5
				South Korea	3



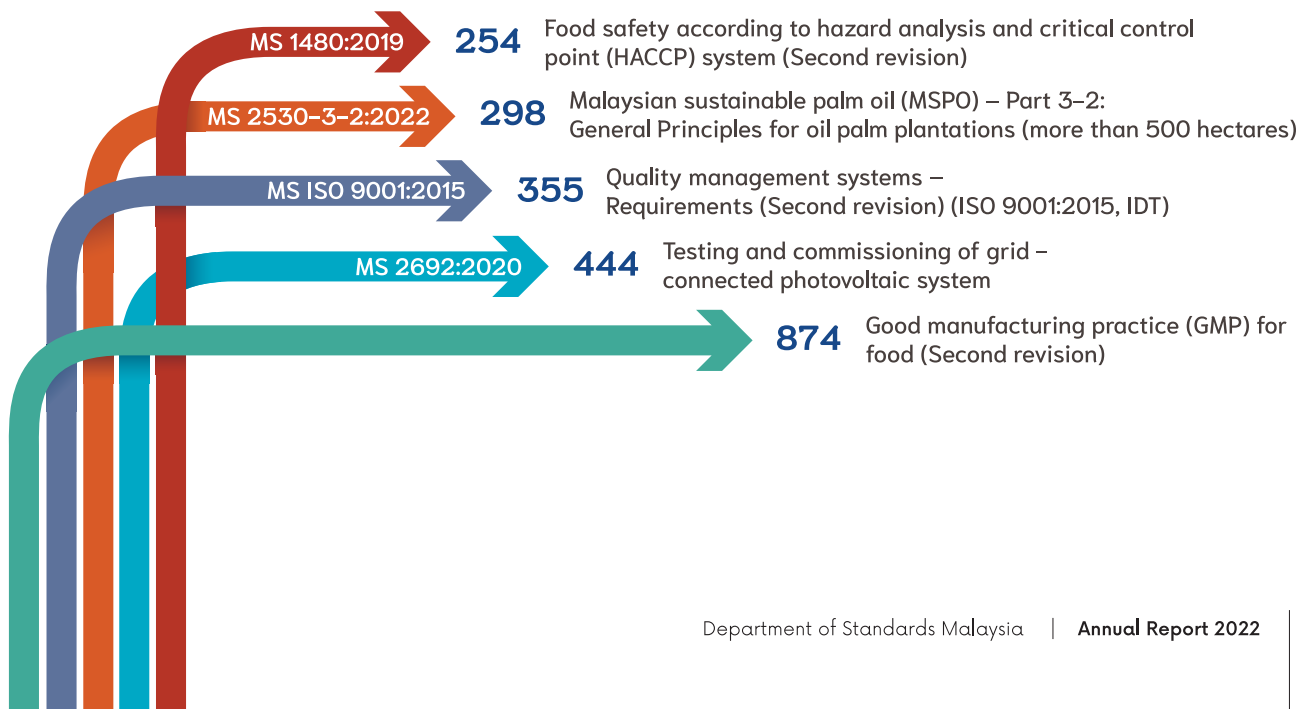
Copies of MS Sold to Foreign Buyers by Sectors



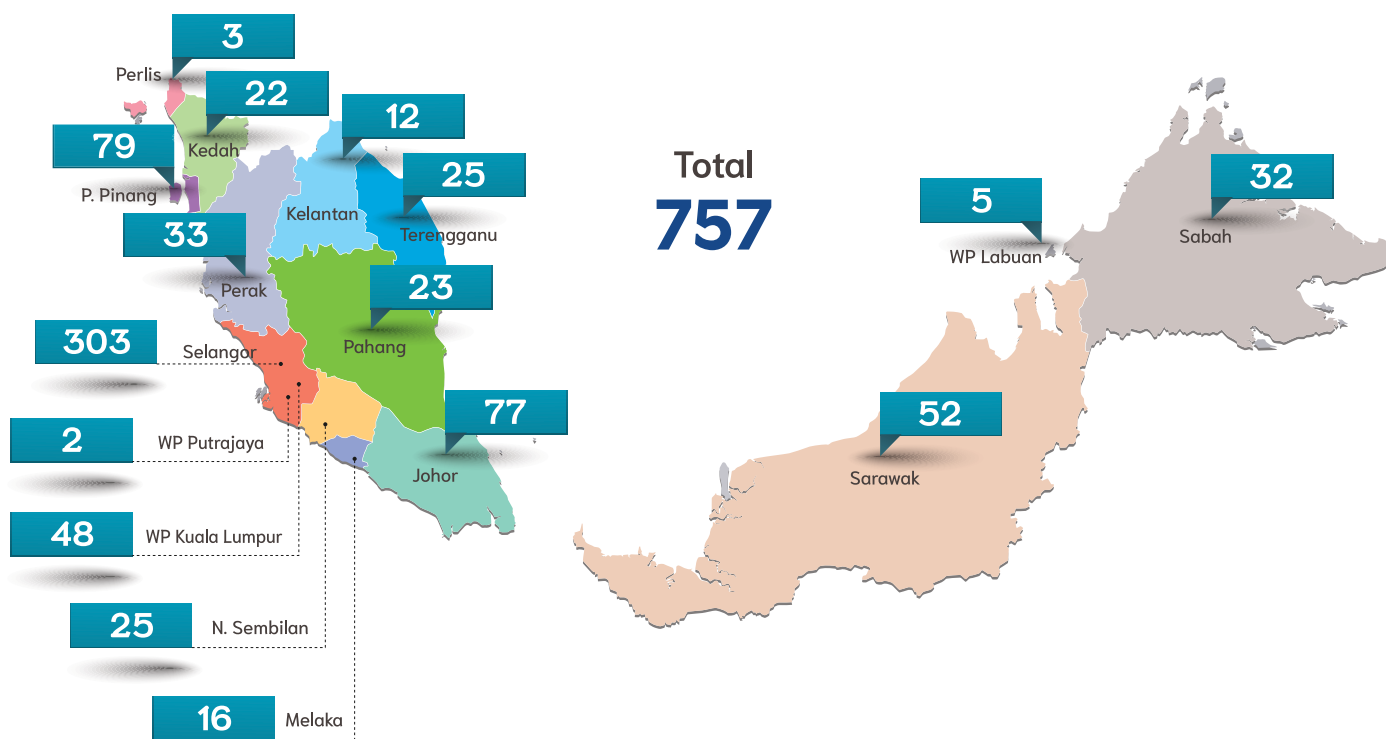
Top 5 Sectors of MS Sold



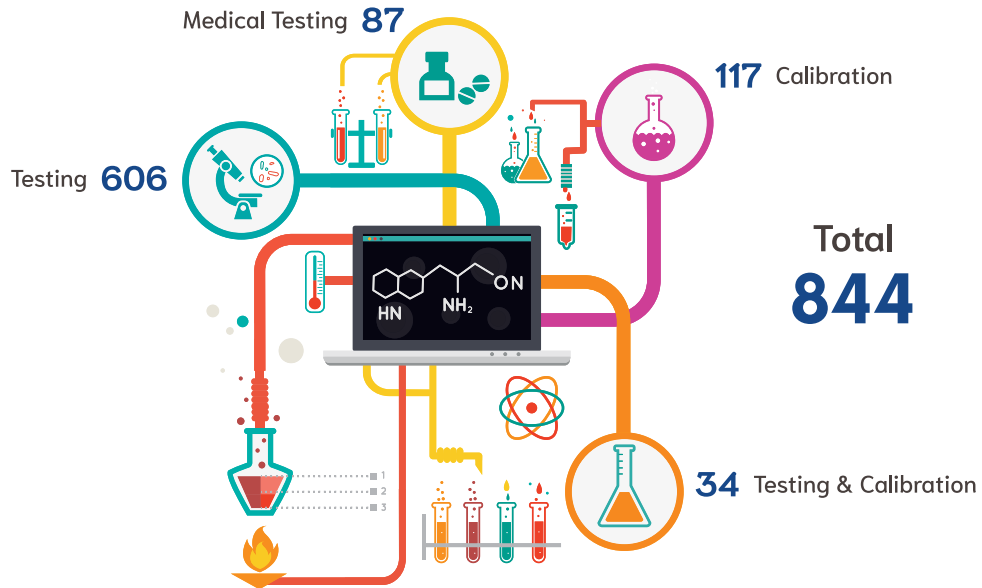
Top 5 MS Sold



Accredited Laboratories by States



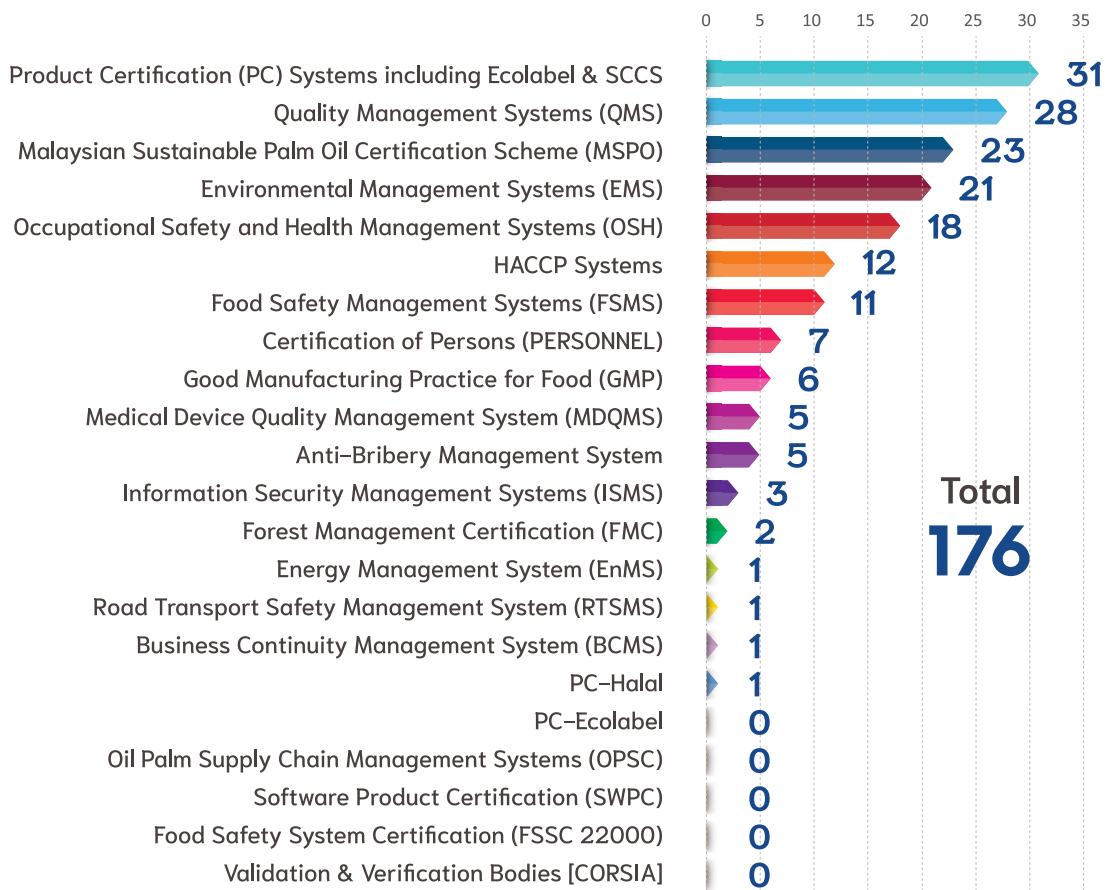
Number of Accredited Laboratories by Programmes



Number of Accredited Laboratories by Sectors



Number of Accredited Certification Bodies by Programmes



42
Local
Certification
Bodies

18
Foreign
Certification
Bodies

Disclaimer: One CB maybe accredited for more than one programme

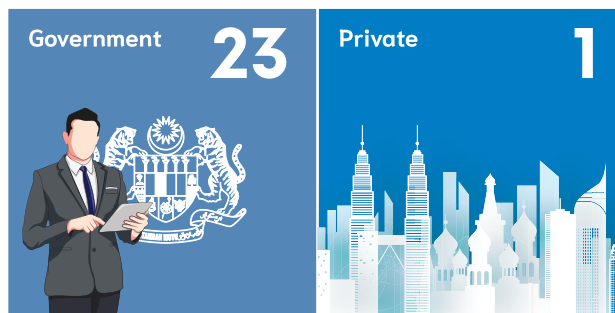
Number of Accredited Inspection Bodies by Fields



Disclaimer: One IB maybe accredited for more than one fields

Total **35**

Number of Accredited Inspection Bodies



Total **24**

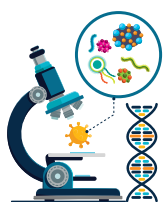
Number of GLP Compliant Test Facilities by Sectors



Number of Accredited Proficiency Testing Providers

1. *Jabatan Kimia Malaysia*

2. *Lembaga Getah Malaysia*



Biology



Chemical



Forensic Science



Halal

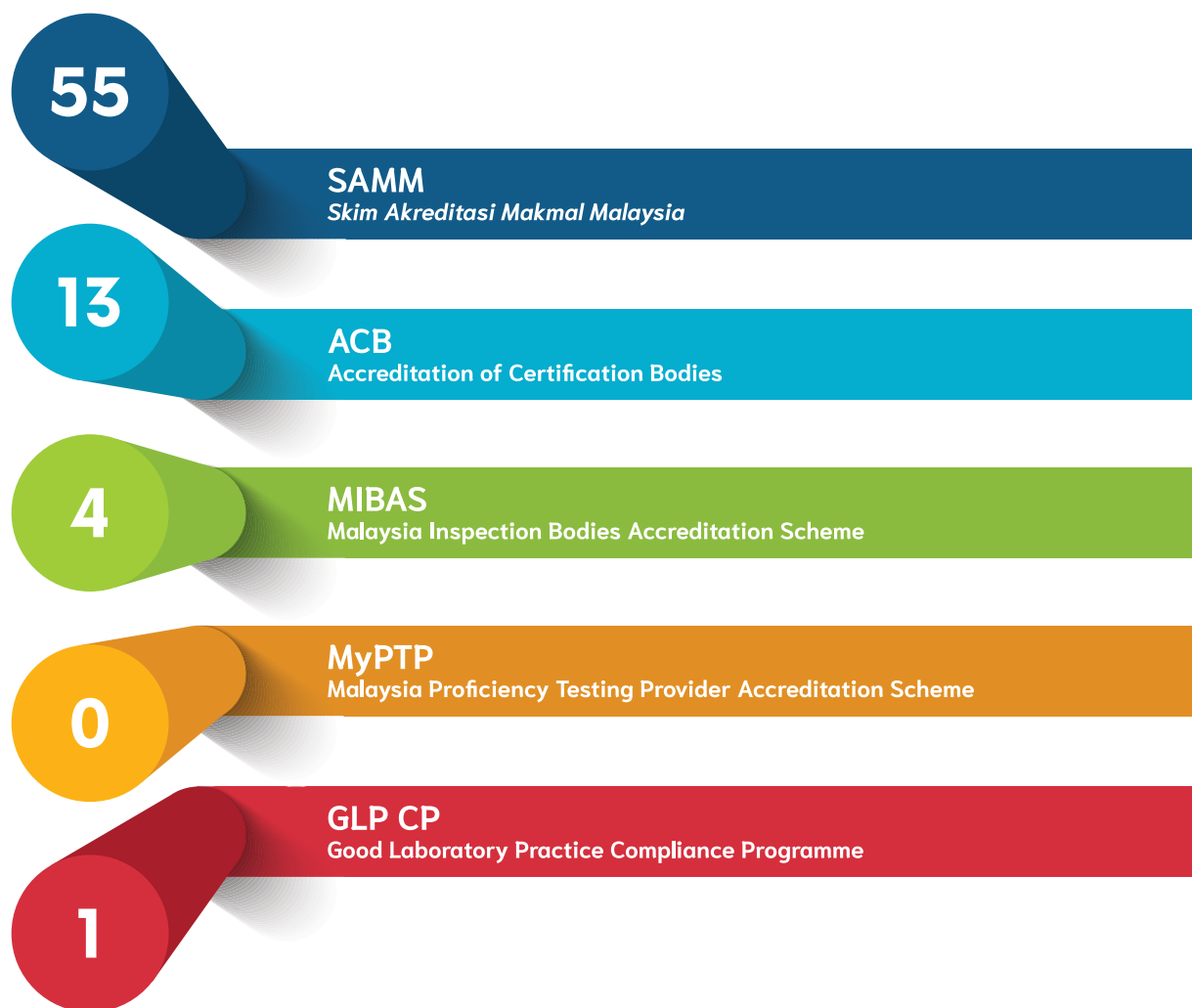


Medical Testing

3. *UTP LMG-PT, Laboratory Management Department
Universiti Teknologi PETRONAS*

4. *Makmal Kesihatan Awam Kebangsaan*

Number of New Accredited Conformity Assessment Bodies



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