



MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY

STANDARDS
MALAYSIA



Utilizing Technology for Diversification of Stingless Bee Products

2 Aug 2019

TH Hotel, Kota Kinabalu Sabah

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STANDARDS
MALAYSIA
@cyberjaya

ROLES & RESPONSIBILITIES

STANDARDS
MALAYSIA

Established on **28 August 1996**

Department agency under the **Ministry of International Trade And Industry (MITI)**
Governed by Standards of Malaysia Act 1996 [Act 549]



1

National Standards Body
DEVELOP AND PROMOTE MALAYSIAN
STANDARDS (MS)

Principles for MS development are based on Annex 3 to WTO/TBT Agreement, ISO/IEC Guide 59 & ISO/IEC Guide 21

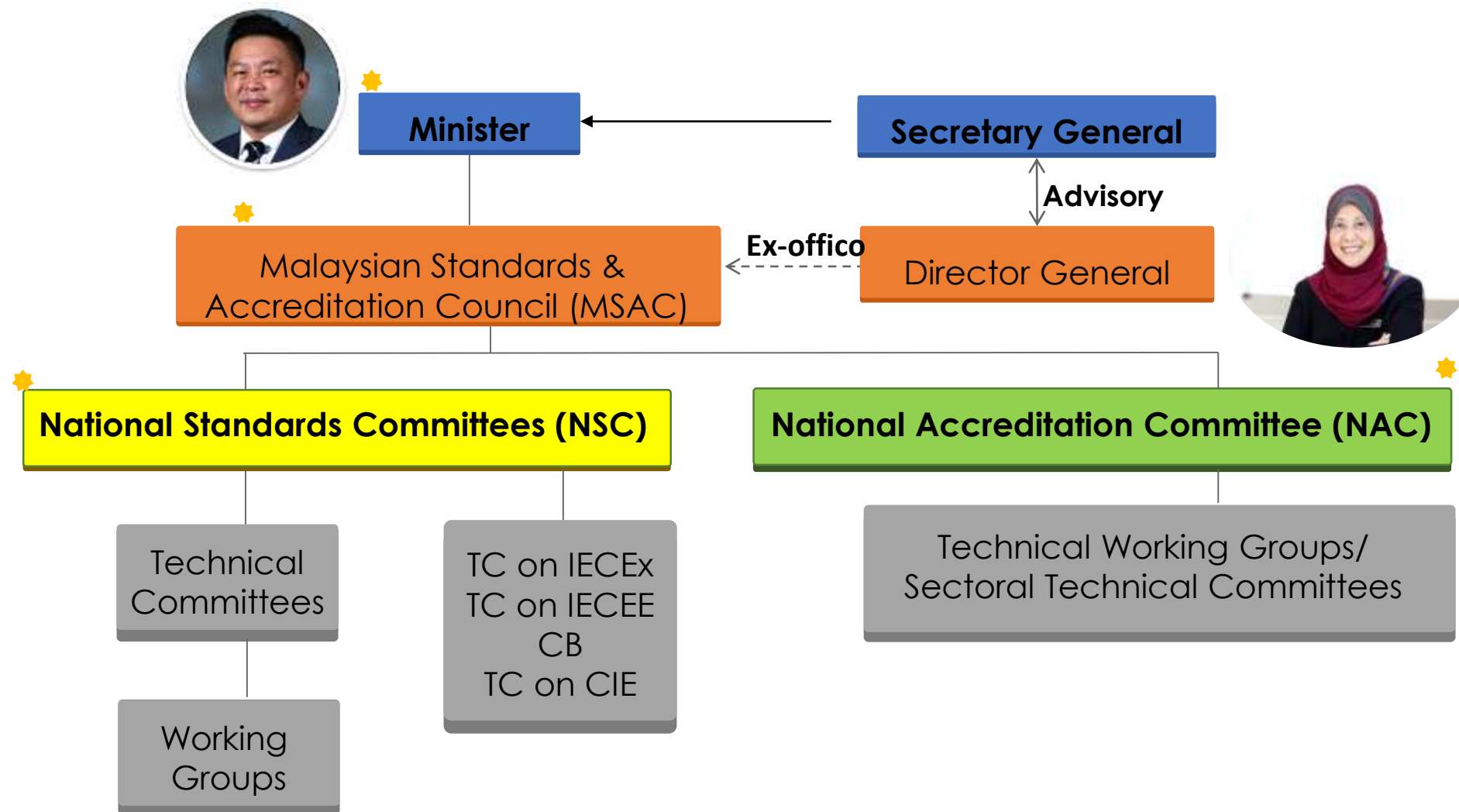


2

National Accreditation Body
ACCREDIT CONFORMITY ASSESSMENT
BODIES

Testing & calibration labs, inspection bodies and certification bodies

GOVERNANCE STRUCTURE OF STANDARDS MALAYSIA



NATIONAL STANDARD COMMITTEES

A	Agriculture
B	Chemicals and Materials
C	Consumer Interest
D	Buildings, Construction and Civil Engineering
E	Power Generation, Transmission and Distribution of Energy
F	Mechanical Engineering
G	Information Technology, Communications and Multimedia
H	Petroleum and Gas
I	Halal Standards
J	Plastics and Plastics Products
K	Packaging and Logistics
L	Transports

M	Fire Safety and Prevention
N	Rubber and Rubber Products
P	Metallic Materials and Semi-Finished Products
Q	Textiles and Apparels
R	Medical Devices and Facilities for Healthcare
S	Electrical and Electronics Equipment and Accessories
T	Tourism, Exhibition and Hospitality Services
U	Food and Food Products, Food Safety
V	Timber, Timber Structure & Timber products
W	Occupational Safety and Health
X	Oil Palm and Its Products
Y	Quality Management and Quality Assurance
Z	Environmental Management

NUMBER OF MS AS OF 31 JUL 2019

NSC	Description	Total MS Developed	Aligned MS		Indigenous/ Adapted
			IDENTICAL	MODIFIED	
A	Agriculture	251	23	0	228
B	Chemicals and Materials	605	273	81	251
C	Consumer Interests	1	0	0	1
D	Buildings, Construction and Civil Engineering	374	189	18	167
E	Power Generation, Transmission and Distribution of Energy	449	276	44	129
F	Mechanical Engineering	272	178	20	74
G	Information Technology, Communications and Multimedia	201	156	0	45
H	Petroleum and Gas	207	124	8	75
I	Halal Standards	27	0	0	27
J	Plastics and Plastic Products	390	175	23	192
K	Packaging and Logistics	130	55	0	75
L	Transport	254	143	9	102
M	Fire Safety	97	33	12	52
N	Rubber and Rubber Products	16	95	14	54

NUMBER OF MS AS OF 31 JUL 2019

NSC	Description	Total MS Developed	Aligned MS		Indigenous/ Adapted
			IDENTICAL	MODIFIED	
P	Metallic Materials and Semi-Finished Products	256	142	19	95
Q	Textiles and Apparels	36	15	3	18
R	Medical Devices and Facilities for Healthcare	336	287	9	40
S	Electrical and Electronics Equipments and Accessories	383	298	39	46
T	Tourism, Exhibition and Hospitality Services	14	10	2	2
U	Food and Food Products	390	76	22	292
V	Timber, Timber Products and Timber Structure	96	2	10	84
W	Occupational Safety and Health	224	178	10	36
X	Oil Palm and Its Products	0	0	0	0
Y	Quality Management and Quality Assurance	83	76	2	6
Z	Environmental Management	104	73	4	27
	TOTAL	5341	2868	346	2127
% OF ALIGNMENT TO INTERNATIONAL STANDARDS		60%			
% IDENTICAL TO INTERNATIONAL STANDARDS		53%			

NO. OF MANDATORY STANDARDS AS OF 31 JUL 2019

NSC	No. of mandatory standards
A	54
B	28
D	66
E	88
F	17
H	17
J	34
L	17
M	48
P	27
R	2
S	89
U	14
W	1
Z	2
TOTAL	504

Fire and Rescue Department of Malaysia
Food Safety and Quality Division, MOH
Construction Industry Development Board (CIDB)
Department of Occupational Safety and Health (DOSH)
Federal Agricultural Marketing Authority (FAMA)
Department of Environment
Local Government Department
Road Transport Department
Town and Country Planning Department of Peninsular Malaysia
Ministry of Domestic Trade, Co-operatives and Consumerism
Malaysian Cocoa Board
Medical Device Authority (MDA), MOH
Malaysian Palm Oil Board (MPOB)
Energy Commission
National Water Services Commission
Malaysian Communications and Multimedia Commission
Total number of regulatory bodies : 16



MALAYSIAN STANDARD

MS 2683:2017

Kelulut (Stingless bee) honey - Specification

ICS: 67.180.10

Description: *Kelulut* (stingless bee) honey, specification, sampling, test methods

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DEPARTMENT OF STANDARDS MALAYSIA

UNDER REVISION

This Malaysian Standard specifies the quality requirements, sampling, preparation of test sample, test methods, hygiene, packaging and labelling for *kelulut* honey produced by stingless bee of Meliponini tribe intended for direct human consumption. It is applicable to both raw and processed *kelulut* honey.



**MALAYSIAN
STANDARD**

MS 2679:2017 (BM)

**Amalan Pertanian Baik (APB) - Pemeliharaan
lebah (tribus Apini) dan kelulut (tribus
Meliponini)**

ICS: 65.140

Amalan Pertanian Baik, Lebah, MSMA, keperluan minimum, peraturan standard, keperluan
perundangan

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DEPARTMENT OF STANDARDS MALAYSIA

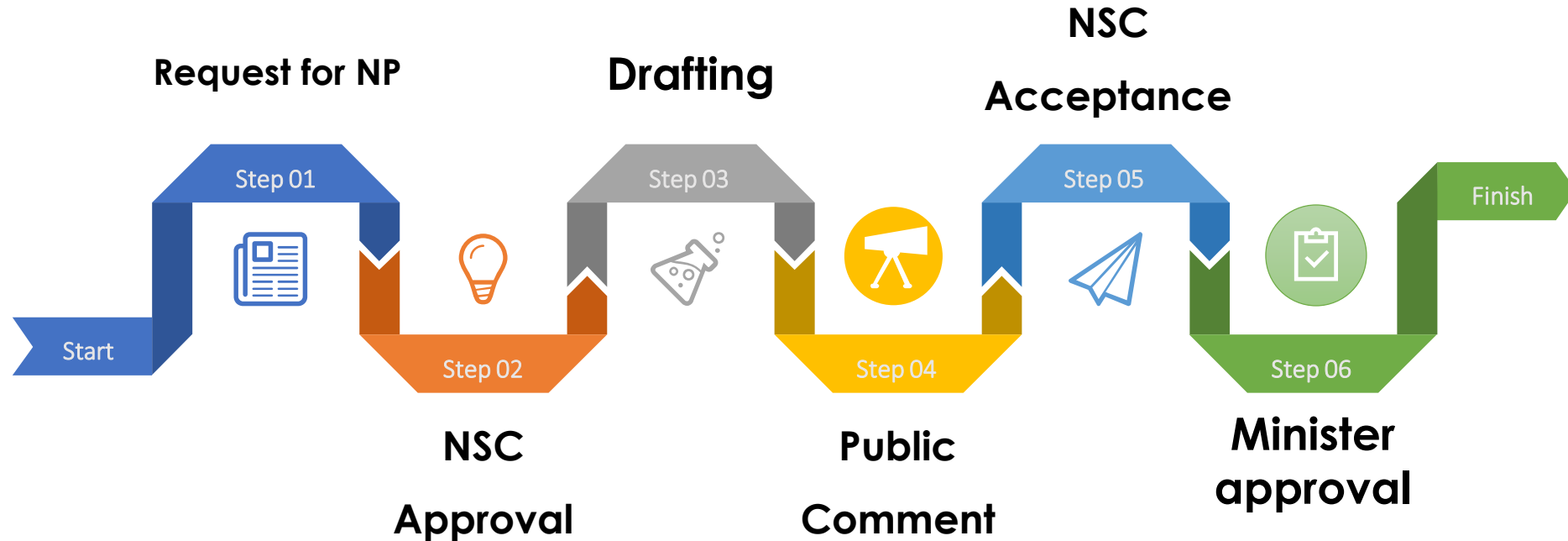
Malaysian Standard ini menetapkan Amalan Pertanian Baik (APB) bagi pemeliharaan lebah (tribus Apini) dan kelulut (tribus Meliponini) yang mematuhi keperluan alam sekitar, sosial dan ekonomi, dalam memastikan hasil tuaian yang Selamat dan berkualiti untuk dimakan serta bagi lain-lain kegunaan

NSC U STRUCTURE

JAWATANKUASA STANDARD KEBANGSAAN (NSC U)

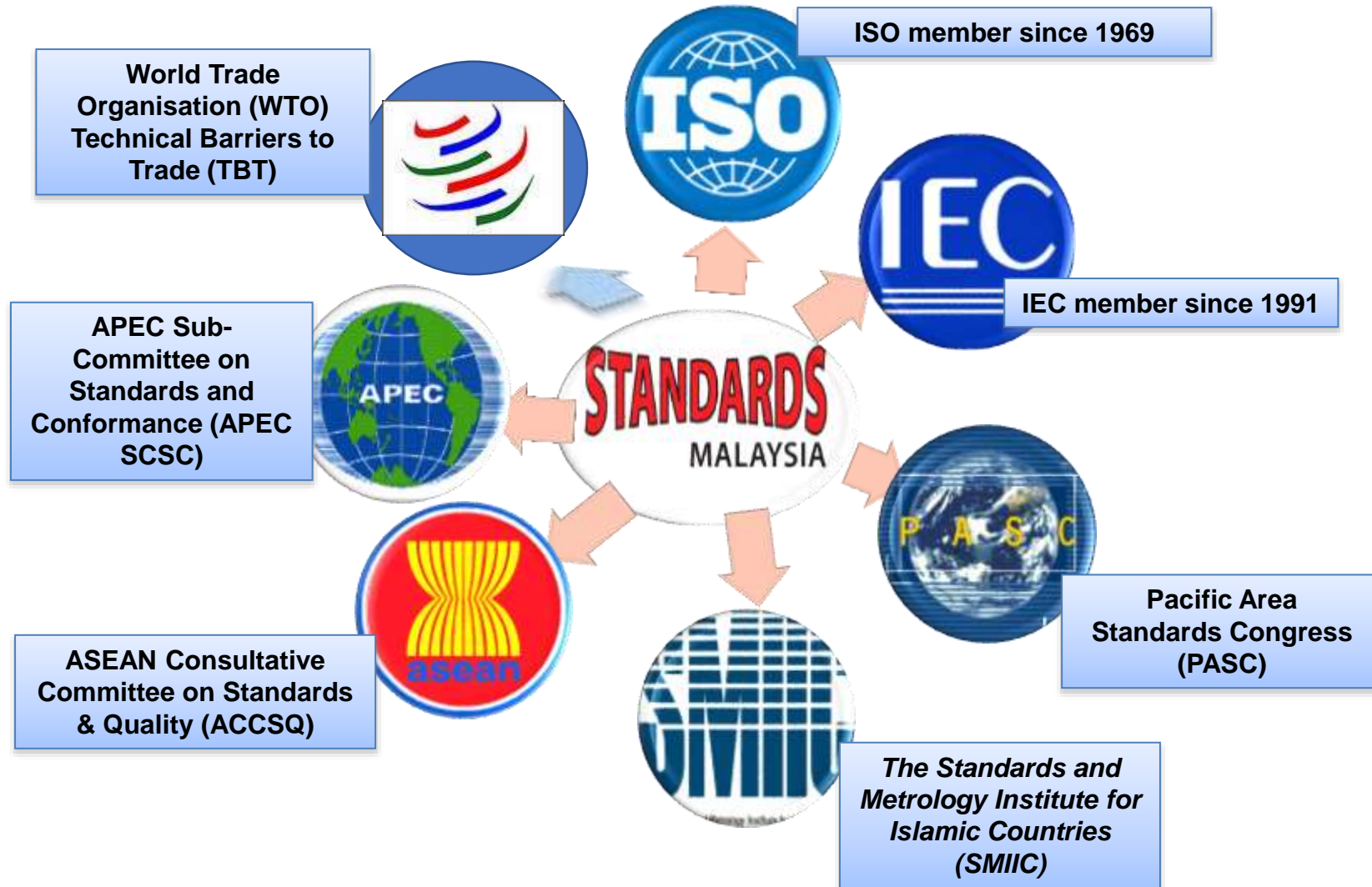
JAWATANKUASA TEKNIKAL		KUMPULAN KERJA
	<p>TC/U/1 <i>Cocoa and Chocolate Products</i></p> <p>TC/U/2 <i>Bahan Pemanis dan Produk-Produk yang berkaitan</i></p> <p>TC/U/3 <i>Processed Fruits</i></p> <p>TC/U/4 <i>Meat and Meat Products - Fresh and Processed</i></p> <p>TC/U/5 <i>Minuman dan Produk Minuman</i></p> <p>TC/U/6 <i>Sos dan Pes</i></p> <p>TC/U/8 <i>Ais</i></p> <p>TC/U/9 <i>Bijirin, dan produk berkenaan</i></p> <p>TC/U/11 <i>Spices and Condiments</i></p> <p>TC/U/12 <i>Ikan dan Produk Ikan</i></p> <p>TC/U/15 <i>Dairy Products</i></p> <p>TC/U/19 <i>Sistem Keselamatan Makanan</i></p> <p>TC/U/20 <i>Food Packaging</i></p> <p>TC/U/21 <i>Genetically Modified Food</i></p> <p>TC/U/22 <i>Herbs</i></p> <p>TC/U/25 <i>Foods for Infants and Children</i></p> <p>TC/U/26 <i>Processed Vegetables</i></p> <p>TC/U/27 <i>Method of Analysis and Sampling</i></p> <p>TC/U/28 <i>Herbs</i></p> <p>TC/U/29 <i>Minyak Makan & Lemak</i></p> <p>TC/U/30 <i>Kopi & kopi Produk</i></p>	<p>WG/U/0-2 <i>Food Additives</i></p> <p>WG/U/0-4 <i>Kanji</i></p> <p>WG/U/0-9 <i>Penyinaran Makanan</i></p> <p>WG/U/0-10 <i>Minyak Kelapa Dara</i></p> <p>WG/U/0-11 <i>Pernilaian deria</i></p> <p>WG/U/0-12 <i>Produk Kelapa</i></p> <p>WG/U/0-13 <i>Coconut Products</i></p> <p>WG/U/0-14 <i>Gelatine</i></p> <p>WG/U/0-15 <i>Rapid Detection of Histamine in Seafood</i></p> <p>WG/U/0-16 <i>Spice and Condiments</i></p> <p>WG/U/0-17 <i>Eggs</i></p> <p>WG/U/0-18 <i>Kopi & Produk Kopi</i></p> <p>WG/U/0-19 <i>Madu Kelulut</i></p> <p>WG/U/2-1 <i>Honey</i></p> <p>WG/U/4-1 <i>Eggs</i></p> <p>WG/U/4-2 <i>Ready-to-Eat Meat Products</i></p> <p>WG/U/6-1 <i>Soy Sauce</i></p> <p>WG/U/9-1 <i>Kacang Tanah yang diproses</i></p> <p>WG/U/9-2 <i>Semakan Semula MS84</i></p> <p>WG/U/9-3 <i>Crackers</i></p> <p>WG/U/12-1 <i>Rumpai Laut</i></p> <p>WG/U/20-1 <i>Migration of plastics into food</i></p> <p>WG/U/22-1 <i>Aspek 'Phytopharmaceutical' Herba</i></p> <p>WG/U/22-2 <i>Aspek Klinikal dan Toksikologikal Herba</i></p> <p>WG/U/28-1 <i>Aspek 'Phytopharmaceutical' Herba</i></p> <p>WG/U/30-1 <i>Coffee & Coffee Premix Products</i></p> <p>WG/U/30-2 <i>Green and Roasted Coffee</i></p>

MS Development Process



Adoption (IDT) : 4-9 months
Indigenous : 12-18 months

Standards Malaysia involvement





- **ISO/TC 34/SC 19** Bee products

- **Secretariat:** [SAC](#)

- Scope

Standardization of the whole process and circulation of bee products, including but not limited to the following: products standards, basic standards, beekeeping practices, quality standards, testing method standards and storage and transportation standards.

Malaysia: O-members

- Standards available: [ISO 12824:2016](#) Royal jelly -- Specifications

Potential collaboration

CAC

Revised Codex Standard For Honey

CODEX STAN 12-1981, Rev.1 (1987), Rev.2 (2001)1



Potential diversification of products (& services)

Honey

Honey extract – therapeutic, apitherapy

Beeswax – cosmetics value

Propolis – Health benefits

LAB – Probiotic

Pollinators



Scientific based evidence

Accreditation schemes



Accreditation of Certification Body
Scheme (ACB)

1. ISO/IEC 17021
2. ISO/IEC 17065 (product certification)



Laboratory Accreditation Scheme of
Malaysia (SAMM)

1. ISO/IEC 17025 (testing & calibration laboratory)
2. ISO 15189 (medical testing laboratory)



Malaysia Inspection Bodies
Accreditation Scheme (MIBAS)

ISO/IEC 17020



Malaysia Proficiency Testing Provider
Accreditation Scheme (MyPTP)

ISO/IEC 17043

1. ISO/IEC 17025:2017, General requirements for the competence of testing and calibration laboratories
2. ISO 15189:2012, Medical laboratories – Requirements for quality and competence
3. ISO/IEC 17020:2012, Conformity assessment – Requirements for the operation of various types of bodies performing inspection (confirmed 2017)
4. ISO/IEC 17043:2010, Conformity assessment – General requirements for proficiency testing (Confirmed 2015)

Number of Accredited Certification Bodies (CBs) Based on Programmes Offered



Total: 94

BENEFITS OF STANDARDS

Safety, health and environment protection for the consumers



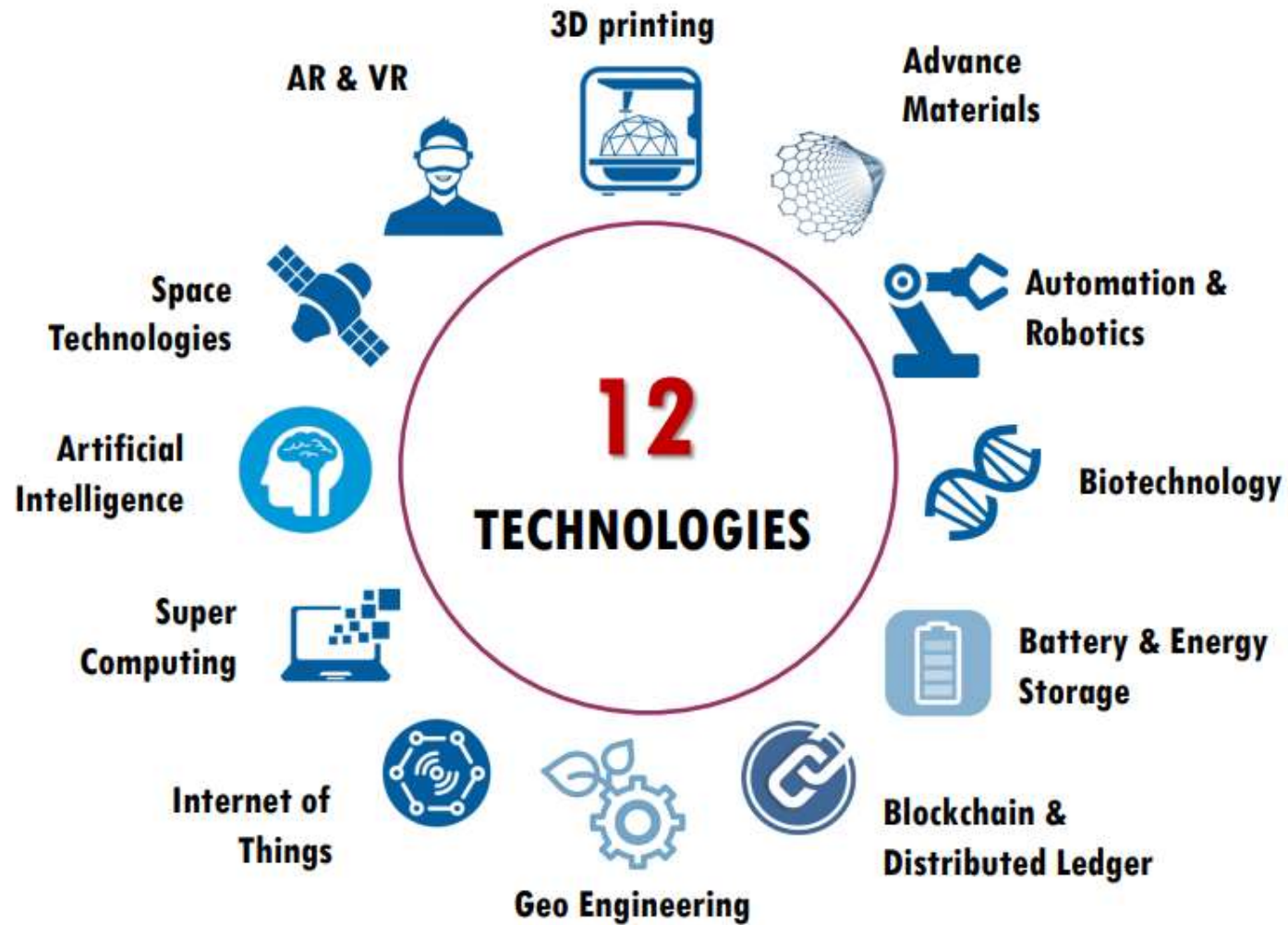
Ensure product meet the requirements on safety and quality

Ensure competitiveness amongst local producers for the domestic market



Provide greater accessibility to the international market

Are you ready?



Thank you



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