



Malaysian Technical Standards Forum Bhd. (MTSFB)

**ASTAP – 29 Bangkok
22nd August 2017**

Presented by:

**Ratnam N. A.
RP Chairman**

MTSFB – Introduction and Organisation Structure

Overview

- ❑ Incorporated on 8th June 2004
- ❑ Designated by MCMC on 27th October 2004 pursuant to Section 94 and 184 of the Communications and Multimedia Act (CMA) 1998
- ❑ Self-regulation
- ❑ MTSFB is a company limited by guarantee
- ❑ Responsible for the establishment and maintenance of **Technical Code**

(ie: Technical Standard, Technical Specification, Framework, Best Practices or Guideline) for network interoperability and safety as specified in accordance to Part V, Chapter 9, Section 95 and Part VII, Chapter 3, Section 185 of CMA



Chairman



Board of Directors



Reference Panel



Working Groups



**Annual General Meeting /
Advisory Assembly**

**MTSFB Office
Bearers**



MTSFB – Membership & Roles

71 Existing Members as @ July 2017



76% Associate



24% Ordinary

Ordinary Member

- ☐ Voting rights at Annual/Extraordinary General Meeting thru its Authorised Corporate Representatives or proxy for the appointment of Chairman and Directors
- ☐ Entitled to propose any specific topic to establish an industry WG or to recommend as an industry Technical Standards or Guidelines to MCMC

Associate Member

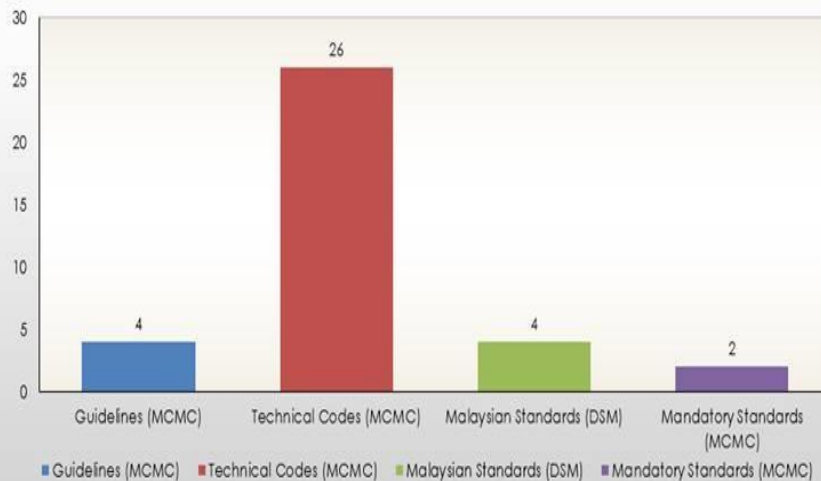
- ☐ Can participate and contribute to related Work Groups
- ☐ Access to draft documents in order to provide feedback
- ☐ Will not have voting rights

- ✓ Circulation of information by MTSFB is prioritise to Board Members, Reference Panels Members, Ordinary Members and Associate Members Respectively
- ✓ The members from these esteemed organisations will be involved and be part of developing the national standards
- ✓ Sustaining a self-regulatory environment in achieving the developed nation status

Documents Published (as of July 2017)

- MTSFB has produced **45 documents**.
<http://mtsfb.org.my/download/guideline-and-technical>
- **26** of them were successfully registered as Technical Codes.
<https://www.mcmc.gov.my/legal/register/cma-registers>
- **4** Guidelines, **2** Mandatory Standards and another **4** has been registered as Malaysia Standards.

Type and No of Documents Published/Registered by MCMC and DSM (in summary)



MTSFB Work Group, ITU-T Work Group and ASTAP Working/Expert Group Alignment

WG #	Work Group Title	ITU-T SG#	ASTAP EG/WG#	BNF	DTT	FN	FT	FNF	GICT	IMT	INF-R	INS	IoT	IPTV	IPv6	MMT	RNF (IN)	RNF (EX)	WT
WG1	Internet of Things (IoT) Including Applications for SC&C	SG 20	EG IoT/WG SA										+						
WG2	Future Networks	SG 13	EG FN & NGN/WG NS			+				+									
WG3	IPv6 / Numbering & Electronic Addressing	SG 2	EG ITU-T/WG PSC												+				
WG4	ICT / Network Infrastructure & Facility	SG 13	EG FN & NGN/WG NS	+				+			+						+	+	
WG5	Security, Privacy & Trust	SG 17	EG IS/WG SA									+							
WG6	Digital Financial Services	SG 20	EG IoT/WG SA										+						
WG7	Wireless & Multimedia Terminal	SG 12 SG 15	EG MA/WG SA				+									+			+
WG8	GICT / Environment & Climate Change	SG 5	EG GICT & EMF/WG PSC						+										
WG 9	Broadcasting Services	SG 9	EG MA/WG SA	+	+									+					

Working Group Projects

Industry Promotion and Development Grant

Project opportunities handled by a structured process strengthening new standards developed



Smart City and Communities



Green ICT



“Sahabat Hijau” – Mobile applications for environmental reporting by the public to the Local Authority



Hybrid power solution using Hydrogen with solar and battery back-ups



Baseline study for CO₂ emission from Telco's equipment / data centres



Liquid immersed cooling system for data centres (ECO₂ Systems)



CO₂ emission monitoring on public buses (RoadMe)



Internet of Things (IoT)

PHASE 1



IoT applications for agro culture (Ketutu Fish Farm)

PHASE 2



Internet of Things Ecosystem and Smart Sustainable Cities

Objectives:

To assist organizations/startups to deploy IoT solutions

To produce standards, guidelines and best practices that are relevant to the industries

Mobile e-Waste : A Malaysian Communications Industry Initiative

How do you recycle your phone?

Drop them into a collection boxes at selected outlets & let us do the rest

Do you know ?

- Mobile devices have to be properly disposed when they are no longer in use
- The materials are not biodegradable & contain hazardous components that could harm your health & pollute the environment
- Through proper recycling process, over 90% of the materials used in mobile devices & accessories can be recovered



mobilewaste.mcmc.gov.my/where.html

Disposal boxes are available within the participating outlets



Mobile e-Waste, Old Phone, New Life
is a joint recycling program by



MTSFB and Academia



Malaysian Research Assessment (MyRA)

University



MTSFB

Quality & Quantity of researchers

- National/Industry/International grant
- Recognition/Award

Innovation

- Number of patents
- Product commercialization
- Technology know-how licensing

Networking & linkages

- MoAs
- Memberships at national/international bodies
- Total number of new community-related research projects
- Joint research projects between Research Universities-Non Research Universities/Private Universities/Industries/Agencies in each project

Quality & Quantity of research

- Indexed journals
- Policy papers – 1:28 points
- Standards/technical codes
- Joint publications

Professional services and gifts

- Gross income from training courses
- Endowment
- Gifts (money, equipment, etc)

Regional and International Collaborations



LEGEND : With MoU

Open Discussion Points on ICT Standardization

Challenges of developing countries in ICT standardization

- ☐ Lack of knowledge and/or supporting guidelines
- ☐ Unavailability of expertise and right skill set
- ☐ Uncertainty of information flow or communication
- ☐ Awareness of new technology and/or development

Best practices for adoption to address these challenges

- ☐ Implement knowledge sharing capabilities among member states
- ☐ Propose hands-on programs, workshop/classroom with training syllabus
- ☐ Build networking platform to keep abreast with up-to-date information
- ☐ Circulation of monthly technology E-Bulletin/catalogues or brochures





Thank You



APPENDIX

MTSFB Plan/Strategy 2018-2020

Task Force Formation



TFG1

Technical Standards

- Work Group Realization
- Establish Standardization Secretariat
- Work Group Deliverables (2018-2020)



TFG2

Managed Services

- Training, Structure and Planning
- Editorial Management
- Guideline & Handbook as a Toolkit



TFG3

Communal Engagement

- Awareness Program & Communication Channels
- Partnership and build a Talent Pool
- ITU-T/BSG Cooperation Plan



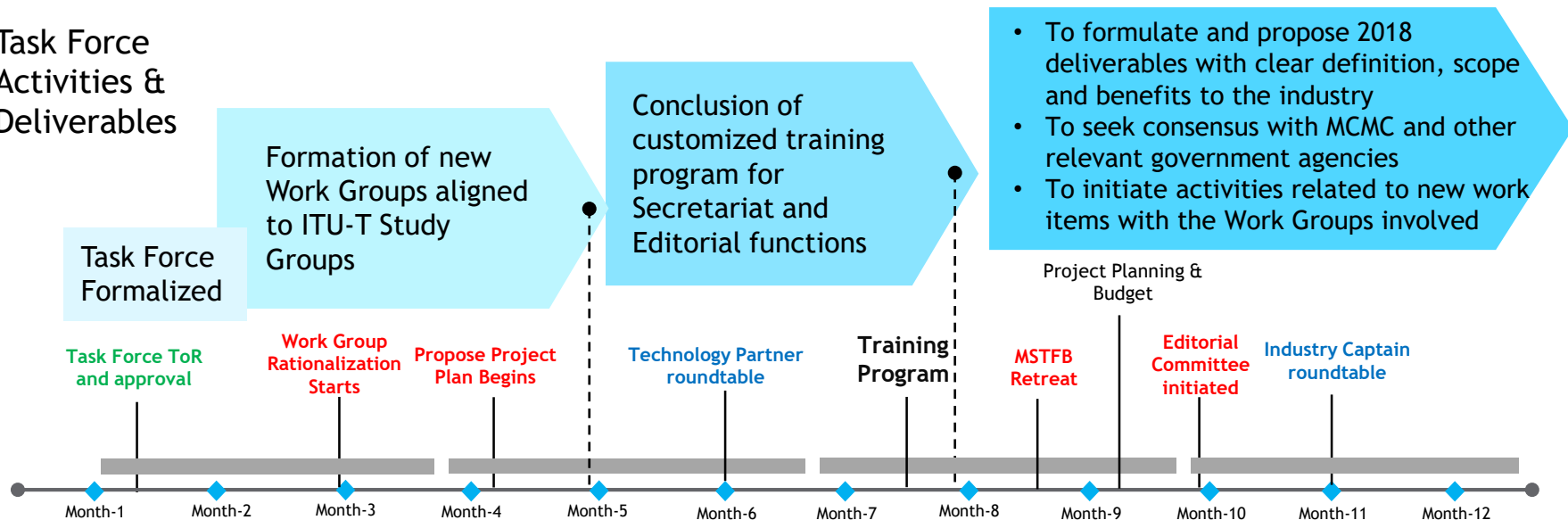
TFG4

Project Management

- Project Management, Structure and Planning
- Project Handbook, Manuals and SOP
- Project Deliverables (2018-2020)

RP Task Force Delivery & Timelines

Task Force Activities & Deliverables



Task Force Groups

Established to focus on the overall strategy, operationalize and drive different work group activities, facilitate and coordinate timeline progress and summarize deliverables to the core teams



TFG1 -
Technical
Standards



TFG2 -
Managed
Services



TFG3 -
Communal
Engagement



TFG4 - Project
Management

ITU-BSG/MTSFB Cooperation Plan (Resolution 44)

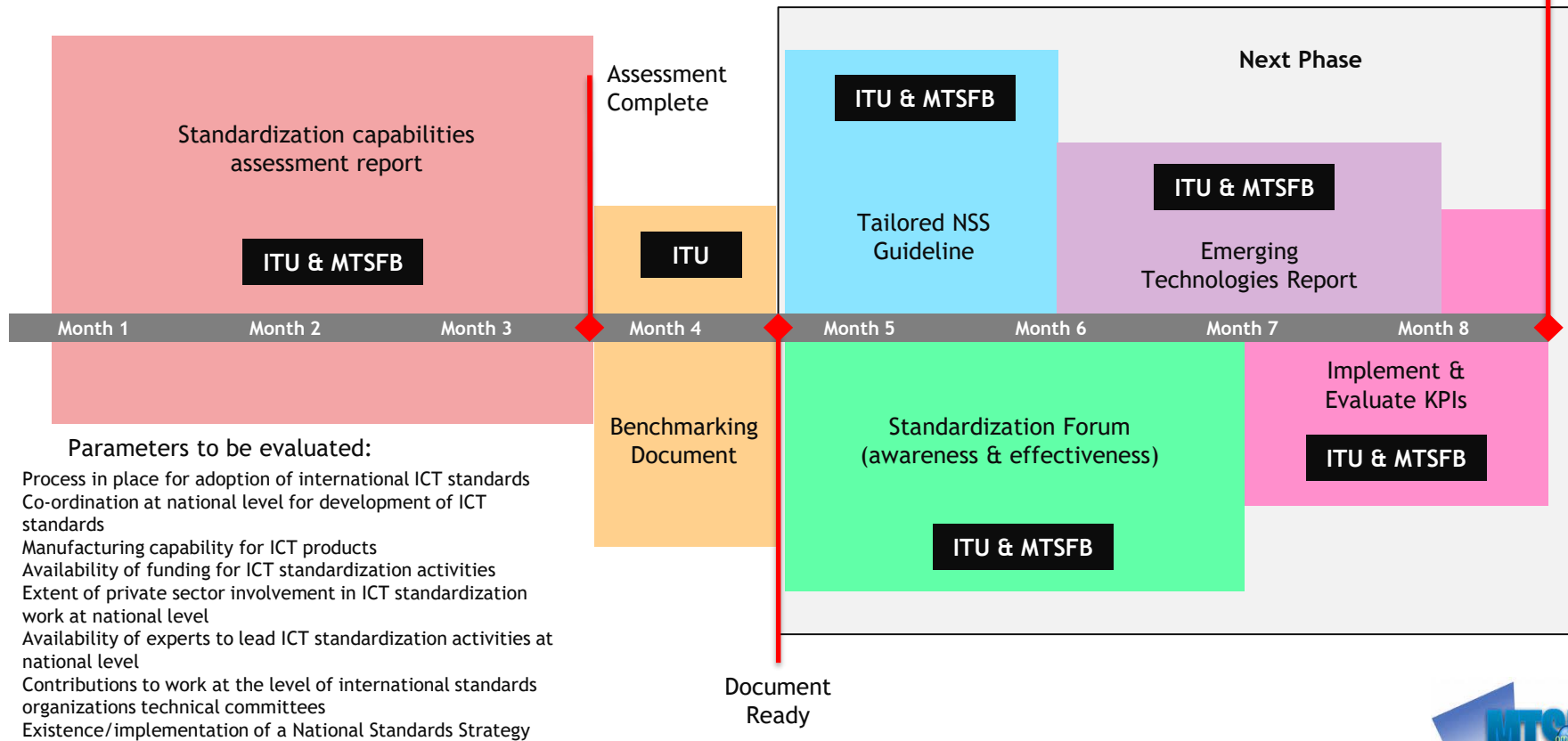


- ☐ To undertake a capability assessment program and gauge MTSFB's current operating status including work groups for benchmarking
- ☐ To prepare the appropriate Guidelines for the effective coordination of standardization activities and deliverables of work groups
- ☐ To organise a BSG related workshop for effective participation in managing and meeting the desired expectation of work groups
- ☐ To consider for Editorial functions as part of this program which will result in the expected quality for the end product delivery

Deliverables and Timelines

*Dates and activities in this draft plan are subject to further discussions and availability of resources

Define Future Cooperation



Bridging the Standardization Gap

In summary, greater awareness and know-how of the standards-making process amongst all participating members will:



Foster a more intelligent dialogue among peers and help move the standardization work forward at an acceptable pace



Enhance the overall quality of standards and their acceptance across localized Regions



Create a wealth of exchange and networking opportunities between informed decision-makers, policy-makers, partners and customers



Extend the global reach for the implementation of standards



Help business better inform product design and grow across both established and untapped markets