



The Current status of preparation , adoption and application of Myanmar standards , Use of standards in Technical Regulation and WTO/ TBT agreements

**Mr . Win Khaing Moe, Director General,
Department of Research and innovation (DRI)
Ministry of Education**

Outlines

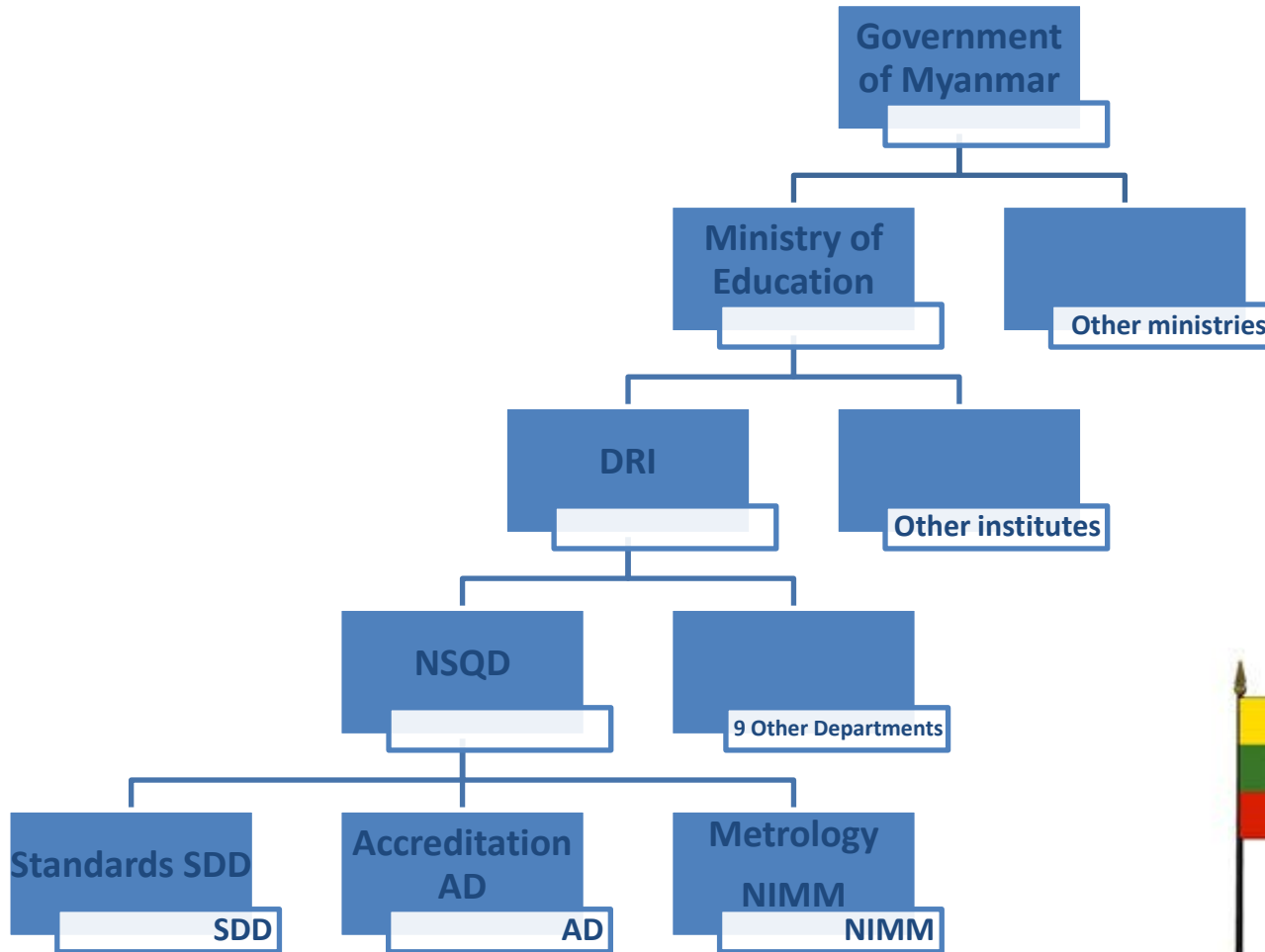
- ❖ **Quality Infrastructure**
- ❖ **Preparation ,Adoption and Application of Myanmar Standards**
- ❖ Use of standards in Technical Regulation and WTO/ TBT agreements
- ❖ **Co-operation with Developing Partners Organizations**



I

Quality Infrastructure

Myanmar NQIS



Brief History of DRI (Department of Research and Innovation)

SIRI (1947-1954)



UBARI (1954-1973)

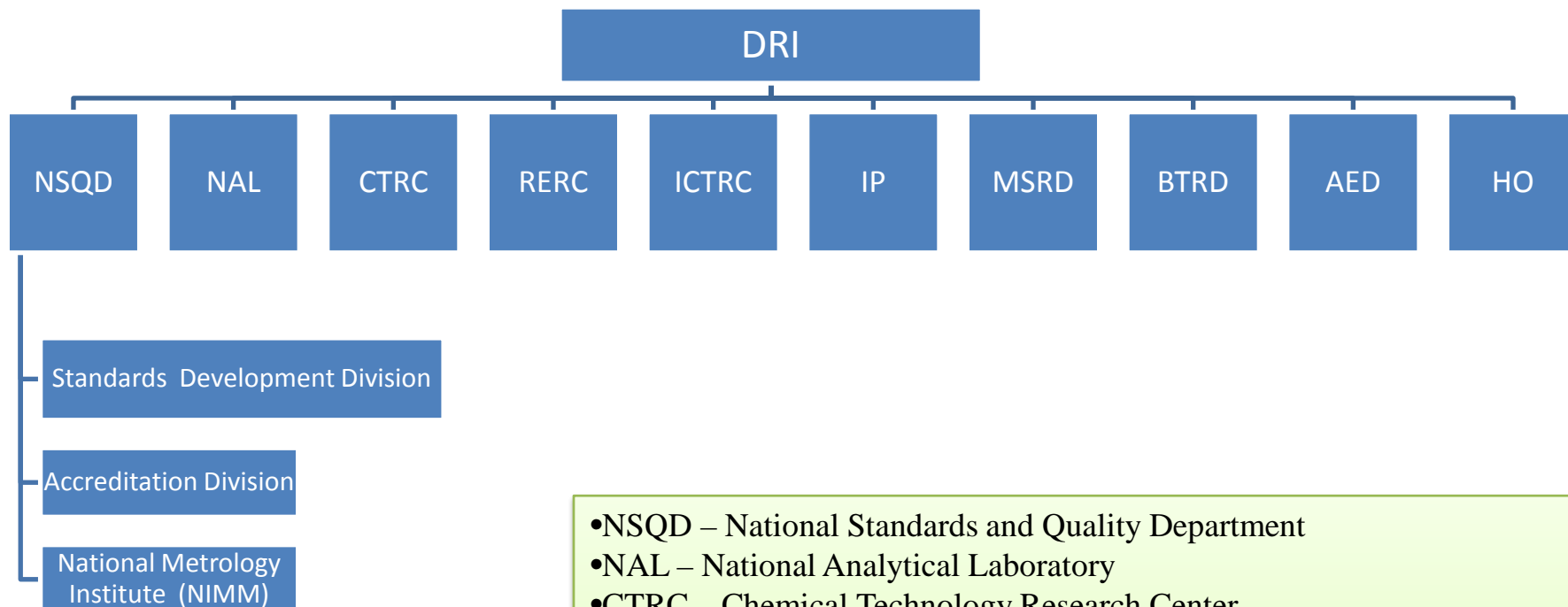
CRO (1973-1994)

MSTRD (1994-2015)

DRI (2015-To Date)

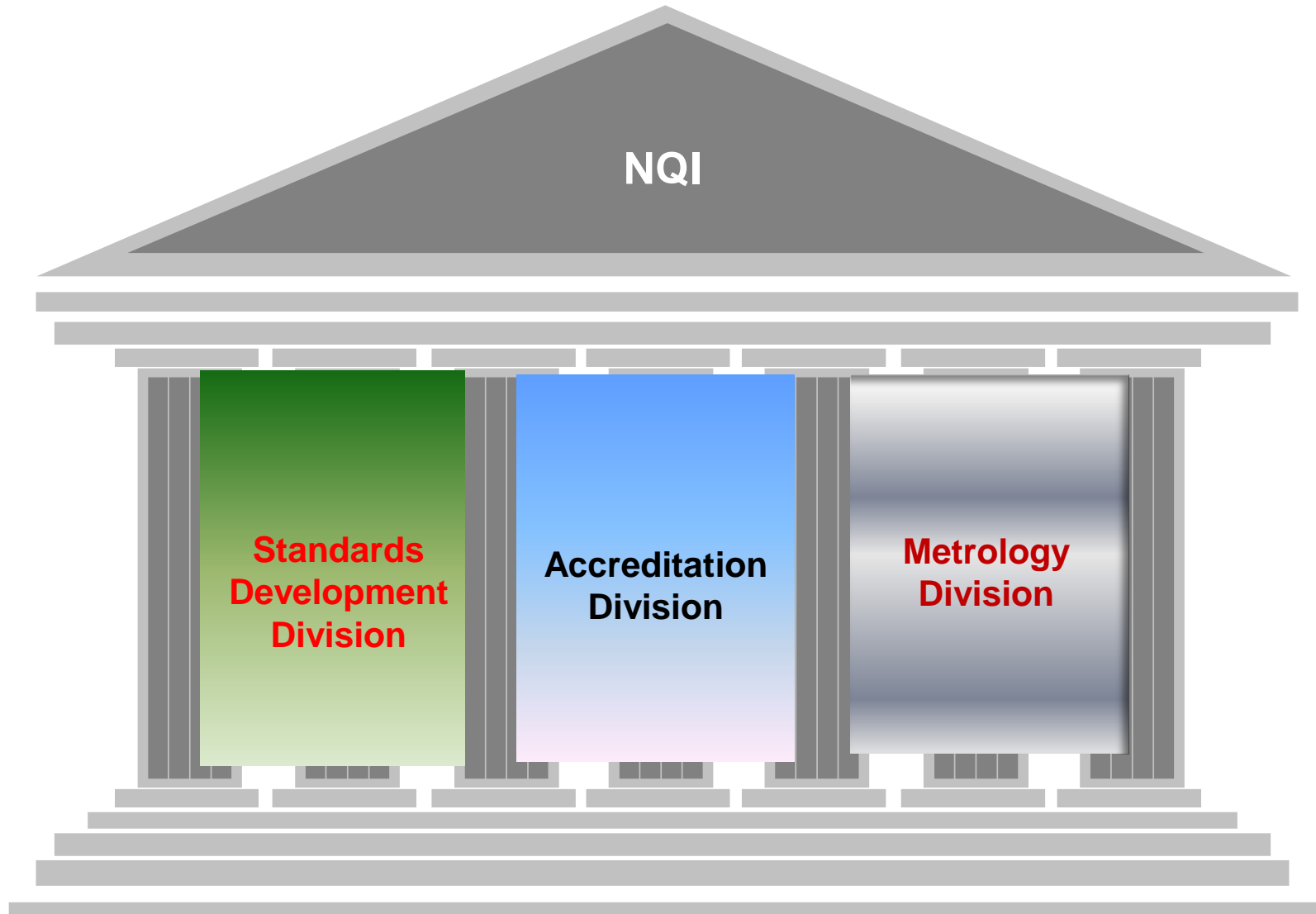
- SIRI – State Industrial Research Institute
- UBARI – Union of Burma Applied Research Institute
- CRO – Central Research Organization
- MSTRD – Myanma Scientific and Technological Research Department
- DRI – Department of Research and Innovation

Organization Structure of DRI



- NSQD – National Standards and Quality Department
- NAL – National Analytical Laboratory
- CTRC – Chemical Technology Research Center
- RERC – Renewable Energy and Electronic Research Center
- ICTRC – Information and Communication Technology Research Center
- IP – Intellectual Property Office
- MSRD – Material Science Research Department
- BTRD – Biotechnology Research Department
- AED – Atomic Energy Department
- HO – DRI Head Office

National Standards and Quality Department (NSQD)



Strategy Development (Law and Policy)

- The Law on Standardization (the Pyidaungsu Hluttaw Law No.28/ 2014 on 3 July,2014)
- New Draft Standards Law has been drafting to be inline with ASEAN and WTO/TBT agreements. (received the comments from UAGO office)
- Developing National Standardization Strategy (DNSS) (Draft by SDD)
- Draft National Quality Policy (NQP) by UNIDO.
- Strategic Plan Metrology (by PTB Germany)
- Draft Strategic Plan for Accreditation (by PTB)



2

**Preparation ,Adoption and Application of
Myanmar Standards**

National MMS Standards, ASEAN Harmonised Standards and International Standards

- **National Standards**

- designed to serve local needs and reflect local economic and social factors
- are established through agreement at national level

- **ASEAN Harmonised Standards**

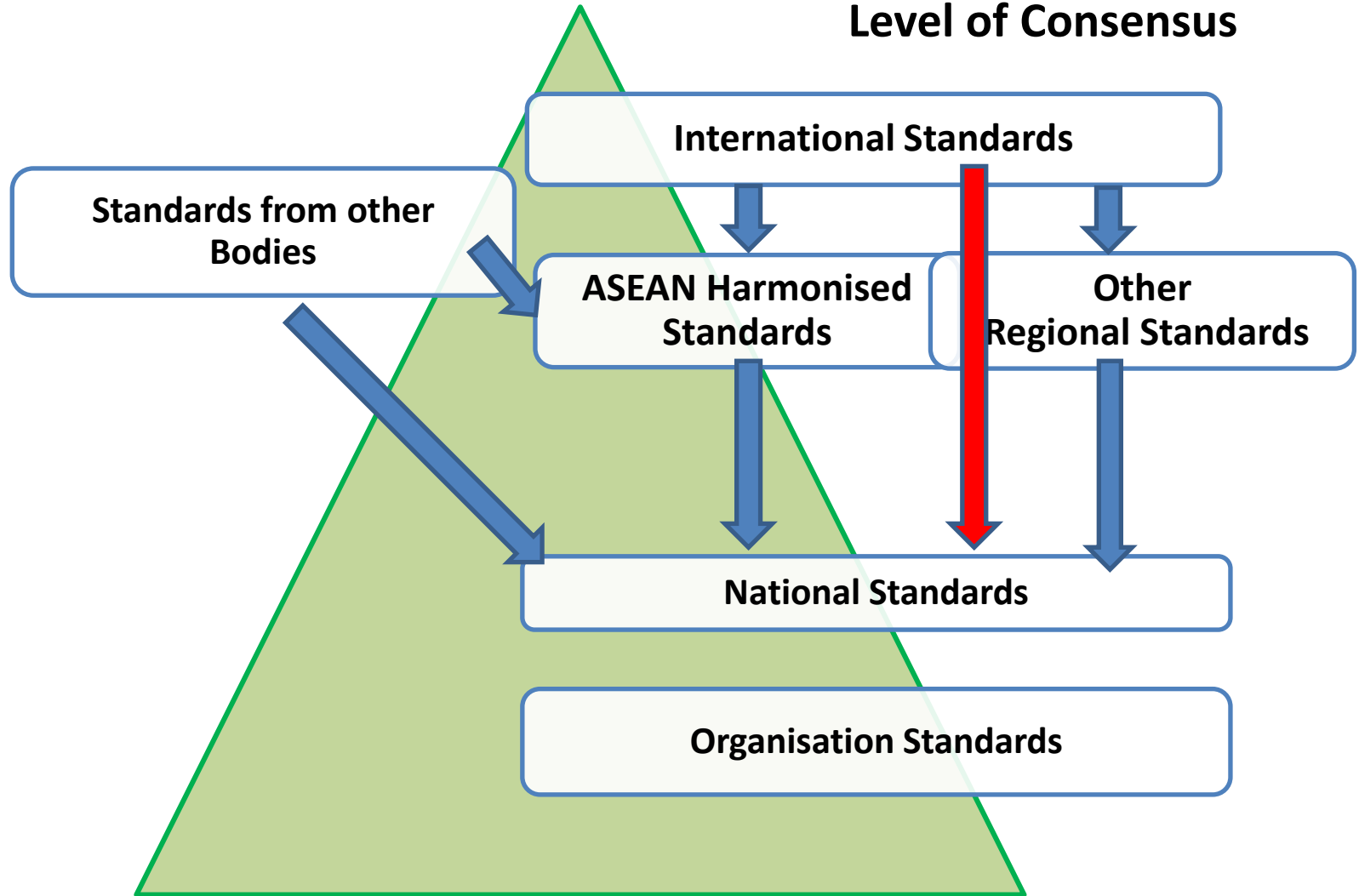
- accepted by ASEAN Bodies for harmonisation
- based on international standards unless they are not available
- agreement for harmonisation based on market integration initiatives

- **International standards**

- are established through agreement at international level and
- designed to serve international trade of goods and services

Levels of Standards

Level of Consensus



Participation of DRI in the International and Regional Organization

International/ Regional Organization	Status	Date
ISO	Correspondence member	2005
IEC	Affiliate member	2007
ASTM	MoU	2016
WTO-TBT	Enquire Point	2008
ACCSQ	Focal Point	1997
ASTM	MOU	2016 Oct

Participation in the International and Regional Organization

■ Participation in PDCs

- [ISO/CASCO](#) - Committee on conformity assessment
(*O-Member*)
- [ISO/COPOLCO](#) - Committee on consumer policy
(*O-Member*)
- [ISO/DEVCO](#) - Committee on developing country matters
(*O-Member*)

■ Participation in TCs

- [ISO/TC 34](#) - Food products (*P-Member*)
- [ISO/TC 67/SC 2](#) - Pipeline transportation systems (*P-Member*)
- [ISO/TC 147](#) - Water quality (*P-Member*)
- [ISO/TC 234](#) - Fisheries and aquaculture (*P-Member*)
- [ISO/TC 242](#) - Energy Management (*P-Member*)

ACCSQ Structure

**Summit
AEM
SEOM**

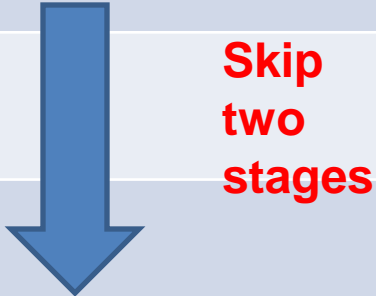
ACCSQ

WG1 MRAs & STANDARD
WG2 Accreditation &
Conformity Assessment
WG3 on Legal Metrology

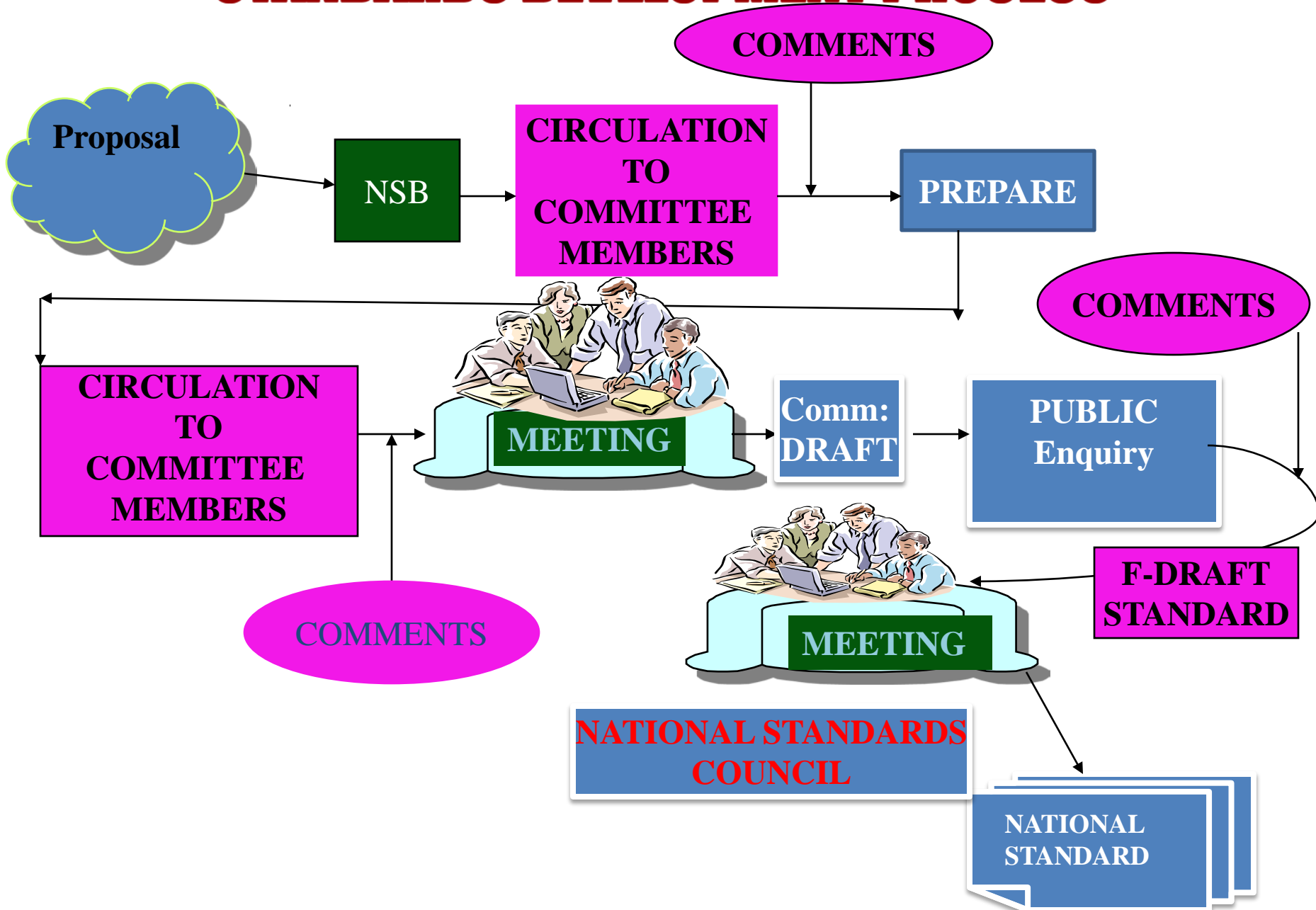
PWG Cosmetics
PWG Pharmaceuticals
PWG Electro Technical
PWG Prepared Foods
PWG Automotives
PWG Wood
PWG Traditional Medicine & Health
Supplement
PWG Rubber
PWG Medical Devices

	ACCSQ Product Working Group Focal Point
PPFWG(Prepared foodstuff)	Food & Drug Administration , Ministry of Health and Sport
PPWG(Pharmaceutical)	Food & Drug Administration, v
MDPWG(Medical Device)	Food & Drug Administration, Ministry of Health and Sport
ACC(Cosmetic)	Food & Drug Administration, Ministry of Health and Sport
RPWG (Rubber)	Myanma Tyre and Rubber Industries
TMHS(Traditional Medicine)	Department of Traditional Medicine, Ministry of Health and Sport
APWG(Automobile)	No.(1) General Heavy Industries Enterprise, Ministry of Industry
WBPWG(Wood Based)	Myanma Timber Enterprise, Ministry of Natural Resources and Environmental Conservation
JSC EE (Electrical & Electronic)	Electrical Inspection Department, Directorate of Industrial Supervision & Inspection, Ministry of Industry
TFBC(Building & Construction)	Building Department, Public works, Ministry of Construction

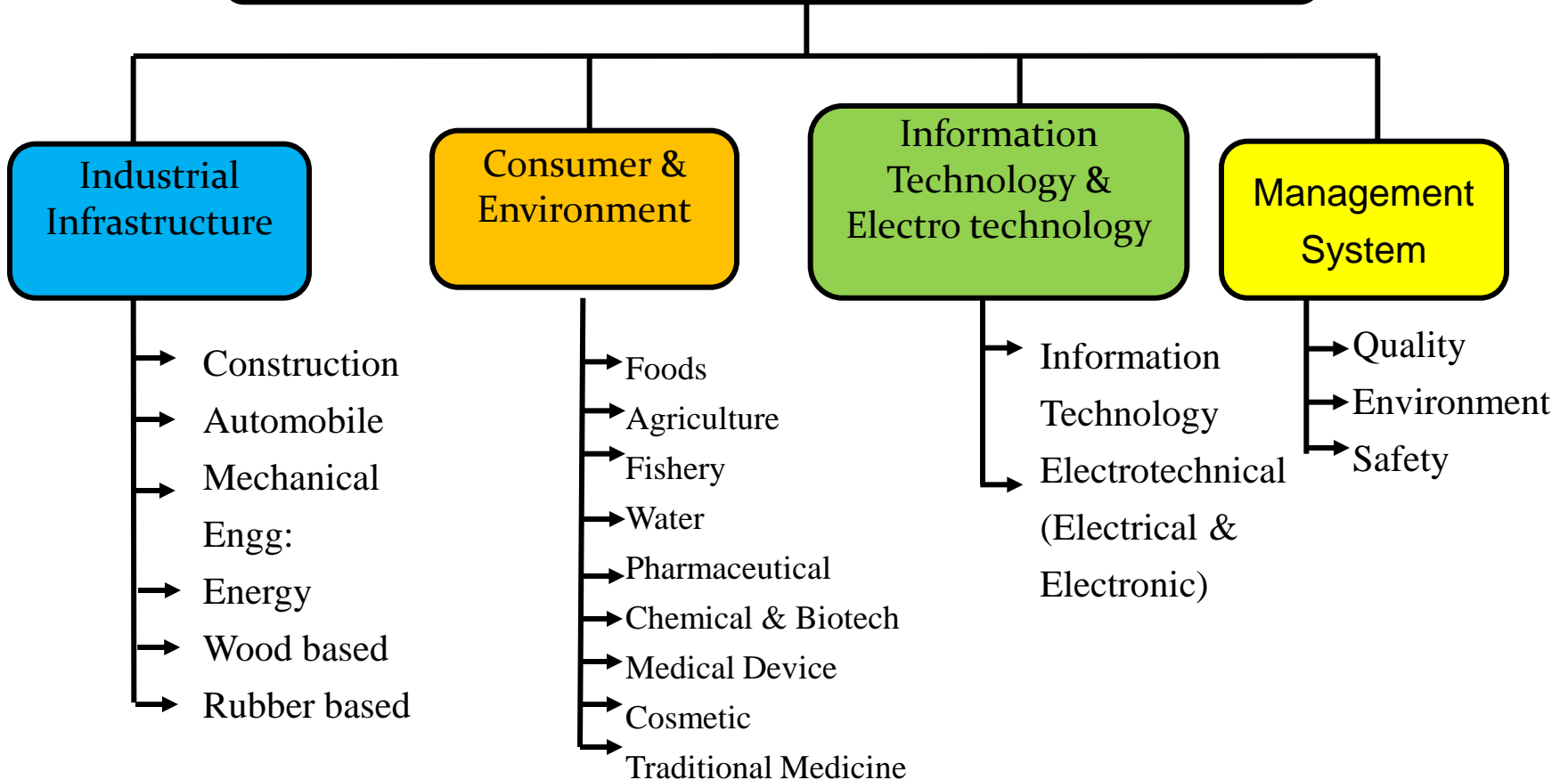
Development of Standardization Process

Stage	Normal Track	Fast Track
Proposal Stage	Proposal	Proposal
Preparatory Stage	Working Draft	
Committee Stage	Committee Draft	
Enquiry Stage	Draft Myanmar Standard (DMMS)	Voting DMMS
Approval Stage	Final Draft Myanmar Standard(FDMMS)	Approval FDMMS
Publication Stage	Myanmar Standard	Publication MMS

STANDARDS DEVELOPMENT PROCESS



Priority Standardization Area (National)



List of Technical Committees

1. Technical Committee on Electrical and Electronic
2. Technical Committee on Food
3. Technical Committee on Auto-mobile Products
4. Technical Committee on Management System
5. Technical Committee on Cosmetics products
6. Technical Committee on Pharmaceutical
7. Technical Committee on Agro-based Product
8. Technical Committee on Medical devices
9. Technical Committee on Building and Constructi
10. Technical Committee on Traditional Medicine
11. Technical Committee on Rubber-based product
12. Technical Committee on Communication and Information Technology

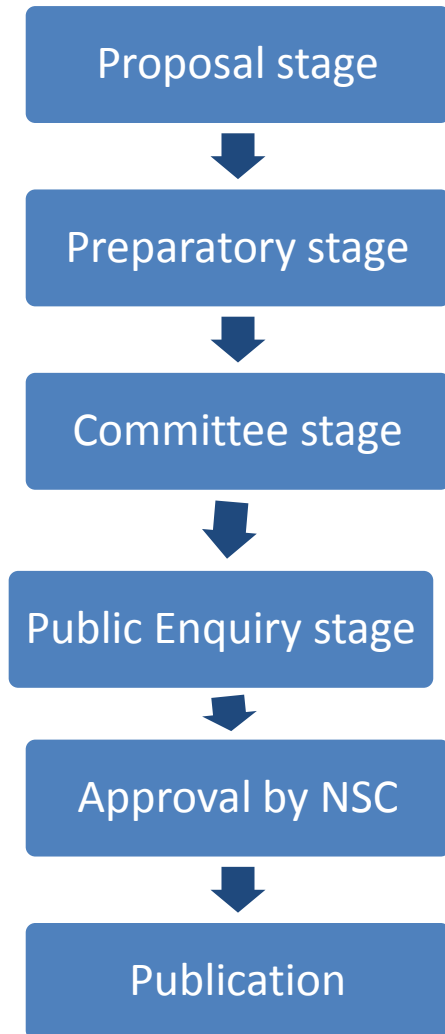


List of Technical Committees

13. Technical Committee on Chemical
14. Technical Committee on Mechanical
15. Technical Committee on Energy
16. Technical Committee on Wood Based Products
17. Technical Committee on Livestock and Fisheries
18. Technical Committee on Environmental Protection
19. Technical Committee on Boiler
20. Technical Committee on Occupational Safety and Health
21. Technical Committee for Universal Character Set Myanmar Unicode System
22. Technical Committee on Textile and Garment
23. Technical Committee for Iron and Steel
24. Technical Committee for Agricultural Processes



Myanmar Standards MMS



1. Number of 175 Myanmar Standards are adopted
(Sectors for Chemical , Pharmaceutical , Fishery ,Cosmetic , Medical Device Mechanical , Boiler , Wood Based , Energy, Electrical and Electronics ,Rubber , IT, Agro Based , Management System , Conformity Assessment)
2. 38 Draft Myanmar Standards are uploading at website for public enquiry. (Sectors for Electrical and Electronics, Agro based , Wood based , Rubber based, Mechanical , Boiler, Automotive, food and OHS)
3. 138 Draft Myanmar Standards are at TCs Stage. (including Deformed Bar)



Standards Library & WTO/TBT Enquiry Point

- **maintaining and offering information on International Standards and foreign National Standards**
- **maintains ISO standards, British Standard (BS), Indian Standards (IS), German Standards (DIN), Japanese Standards (JIS), Malaysia Standards (MS) and American Standards (ASTM)**
- **Awareness and Stakeholders Involvement**
- **Conducting Workshop, Seminar and training and Celebrating WSD**
- **WTO/TBT National Enquiry Point (World Trade Organization/Technical Barriers to Trade)**
- **Sharing information on standards , technical regulation and conformity assessment from WTO, ASEAN and local organization and government ministries in Myanmar**



www.myanmarstandards.org.mm

Welcome to Department of Standards : Mya...

www.myanmarstandards.org.mm/index.php?lang=en

Myanmar Version | User Register | User Login

NATIONAL STANDARDS AND QUALITY DEPARTMENT
Myanmar

Search...

Home | About | Law & Regulations | Publications | TBT Enquiry Point | **Public Comment** | Contact

Welcome to the National Standards and Quality Department Website

The Department's primary mission is to promote Myanmar's trade competitiveness by advancing measurement science, standards, conformity assessment and technology in ways that enhance economic growth and improve our quality of life. The Department will carry out its activities through the development of a National Metrology Institute, National Standards Body and National Accreditation Body.

Latest News

The Department of Science and Innovation announces the adoption of 77 international standards as Draft Myanmar National Standards

Harmonizing National Standards with international standards is a key achievement toward reducing Technical Barriers to Trade and moving Myanmar closer to integration into international economies. This is the first group of new voluntary National Standards to be issued in Myanmar as well as simplifying our compliance and meeting our

Myanmar formally accepts the WTO Code of Good Practice for the Preparation, Adoption and Application of Standards.

The World Trade Organization (WTO) is the international body dealing with the rules of trade between nations. Its main function is to ensure that trade flows as smoothly, predictably and freely as possible. Myanmar is a long-standing member of the WTO. The WTO Agreement on Technical Barriers to Trade (the "TBT Agreement") aims to ensure that r

DRAFT MY STANDARD
Cosmetics

MORE

ENG 3:21 PM
US 11/17/2015



3

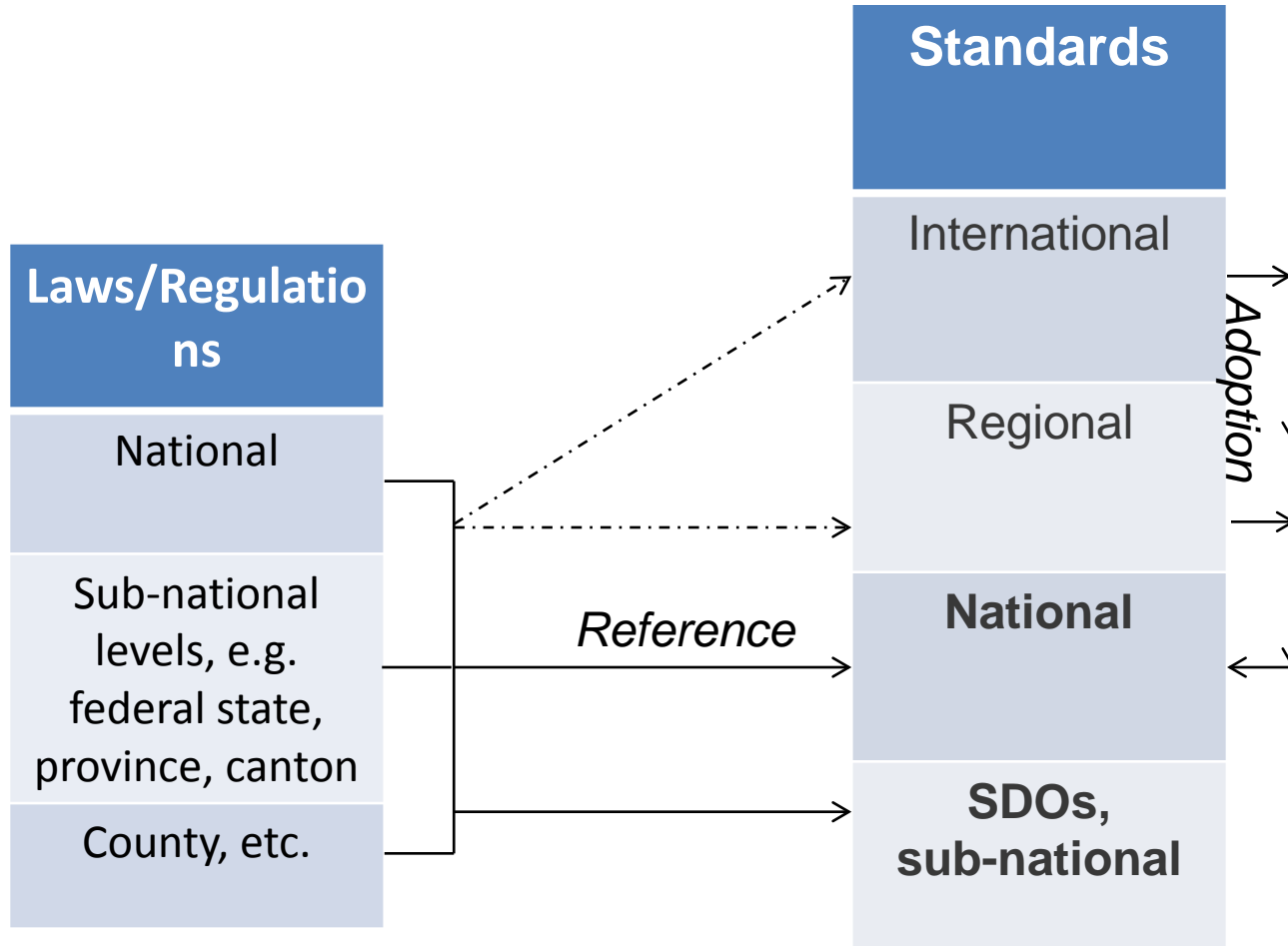
Use of standards in Technical Regulation and WTO/ TBT agreements

Voluntary standards and Technical Regulations

A Key difference

- Standards and technical regulations both set technical requirements to be met in the development and supply of commodities, products and services, but:
 - Standards are **voluntary**
 - Technical regulations are **mandatory**

References to standards



Standards are mostly referenced if they are national or sub-national standards (which includes international/regional standards after their adoption)

Safety – Gas cylinders – Transport of dangerous goods

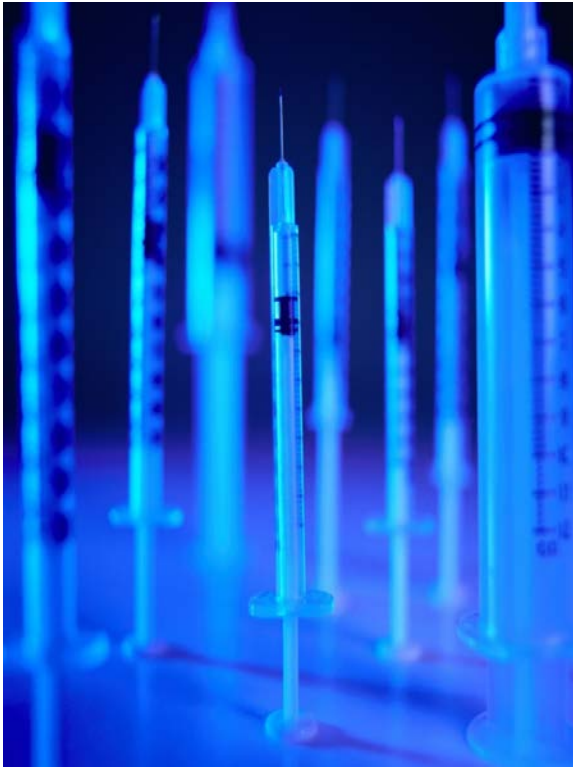


Fire safety – Electrical wires & construction materials

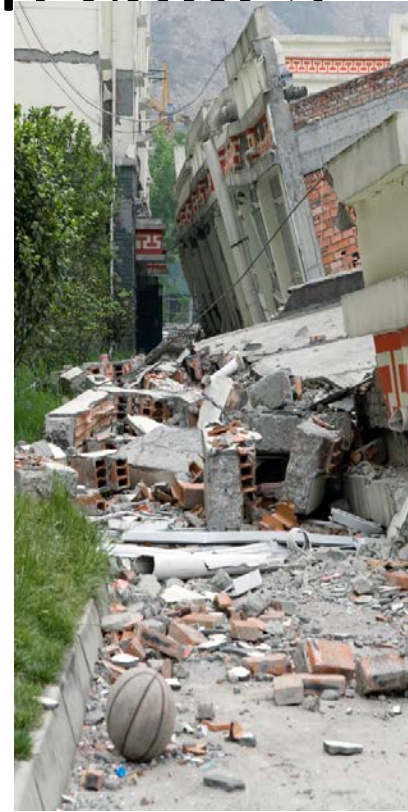


Code Violation: This concrete block wall is penetrated by cable trays and cables. The hole should be fire stopped to restore the fire-resistance rating of the wall. Instead, it is filled with flammable polyurethane foam

Medical devices



Earthquakes – Enforcement of construction codes



“We estimate around 1,000 buildings are damaged and our estimate is for hundreds of lives lost - it could be 500 or 1,000,” said Mustafa Erdik of the Kandilli Observatory. Turkish seismologist Polat Gulkan told the BBC that **building regulations were often ignored in Turkey**. “The enforcement of the code provisions is not at the standard that we would like to see it,” he said. (BBC, 2011-10-23)

Good Standardization Practice – key international references

- **The WTO-TBT “Six Principles”**: *2000 Decisions on Principles for the development of international standards, guides and recommendations with relation to articles 2, 5 and Annex 3 of the WTO/TBT agreement (Annex 4 of the second triennial review of the WTO TBT agreement)*
- **WTO TBT Agreement Annex 3**: *Code of Good Practice for the Preparation, Adoption and Application of Standards:*
- **ISO/IEC Guide 59:2019** ISO/IEC recommended practices for standardization by national bodies

ISO Code of Ethics



*Each ISO player
Contributes to the performance*



ISO fully complies with the WTO TBT “Six Principles”

- Transparency
- Openness
- Consensus and impartiality
- Market relevance and effectiveness
- Coherence
- Development dimension

In addition, ISO gives particular emphasis to:

1. Stakeholder engagement
2. Due process
3. Implementation/Adoption of ISO standards

The 6 key principles for the development of international standards, guides and recommendations

- Transparency
- Openness
- Consensus and impartiality
- Market relevance and effectiveness
- Coherence
- Development dimension



WTO TBT Agreement Annex

Code of Good Practice for the Preparation, Adoption and Application of Standards

- Guidance for bodies on how to develop, approve and apply standards ensuring openness and transparency and thereby not to create an unnecessary obstacle to international trade
- WTO Members **shall ensure** that their central government standardizing bodies accept and comply with this Code of Good Practice, and
 - take reasonable measures to ensure that local government, non-governmental and regional standardizing bodies also accept and comply.



4

Cooperation with developing partner organizations

Co-operation with Developing Partners Organizations

No.	Development Partner	Project Title	Period
1.	UNIDO	Strengthening National Quality Infrastructure for Trade in the Republic of the Union of Myanmar	2013-2018 (completed)
2.	Physikalisch Technische Bundesanstalt (PTB)	Strengthening Quality Infrastructure in Myanmar	2015-2020 (Next three years project will be extended)
3.	United States Agency International Development (USAID)	Funded Private Sector Development Activity	2015-2019
4.	Deutsche Gesellschaft für Internationale Zusammenarbeit - (GIZ)	Trade Development Programme (NQI Sector)	2015-2018 (completed)

Cooperation with PTB (Physikalisch Technische Bundesanstalt)

•PTB has been providing technical assistance for revising Law on Standardization and its regulations ,celebration of World Standards Day events, training on Standardization for ASEAN – CLMV Bilateral Coaching,and ASEAN –CLM B workshop GSP .Export Quality Management – EQM workshop, Certification System for Good Agricultural Practice and CALIDENA exercises for Value Chain under GIZ SAFI project , actions plans for NQP. Study Visit to Germany to learn the NQI practices in Germany and will also support study visit to Finland to learn NQI practices.



Cooperation with GIZ, EU- ARISE , UNIDO and USAID



Thank You for Your Attention

Standards Development Division - (NSB) ;

Email: standards.mstrd@gmail.com,

Ph : office ; +95-9 – 663068

Accreditation Division – (NAB);

Email : accreditationdiv@gmail.com

Ph: office; +95-1-65321

Metrology Devision –(NIMM)

Email: metrology.mm@gmail.com

Ph:office ; +95-1-668044