



Formulating Standards - SCs, WPs and WGs, Stages, Processes, working with ISO/IEC

Who we are

- Established on 6 Jan 1947 as the erstwhile Indian Standards Institution (ISI)
- Given statutory status and rechristened as Bureau of Indian Standards by the BIS Act 1987
- Became the National Standards Body by the BIS Act 2016
- One of the largest National Standards Bodies of the world
- Represents India in the ISO and IEC activities

Indian
Standards
Institution
1947

BIS Act
1987

BIS Act
2016



Our Mandate

- Establish national standards (called Indian Standards), being the National Standards Body
- Undertake conformity assessment and grant license to use the certification mark (ISI Mark, Registration Mark, Hallmark, Management Systems)
- Establish, maintain and recognize laboratories
- Undertake certification of foreign manufacturers

STANDARDIZATION

CERTIFICATION

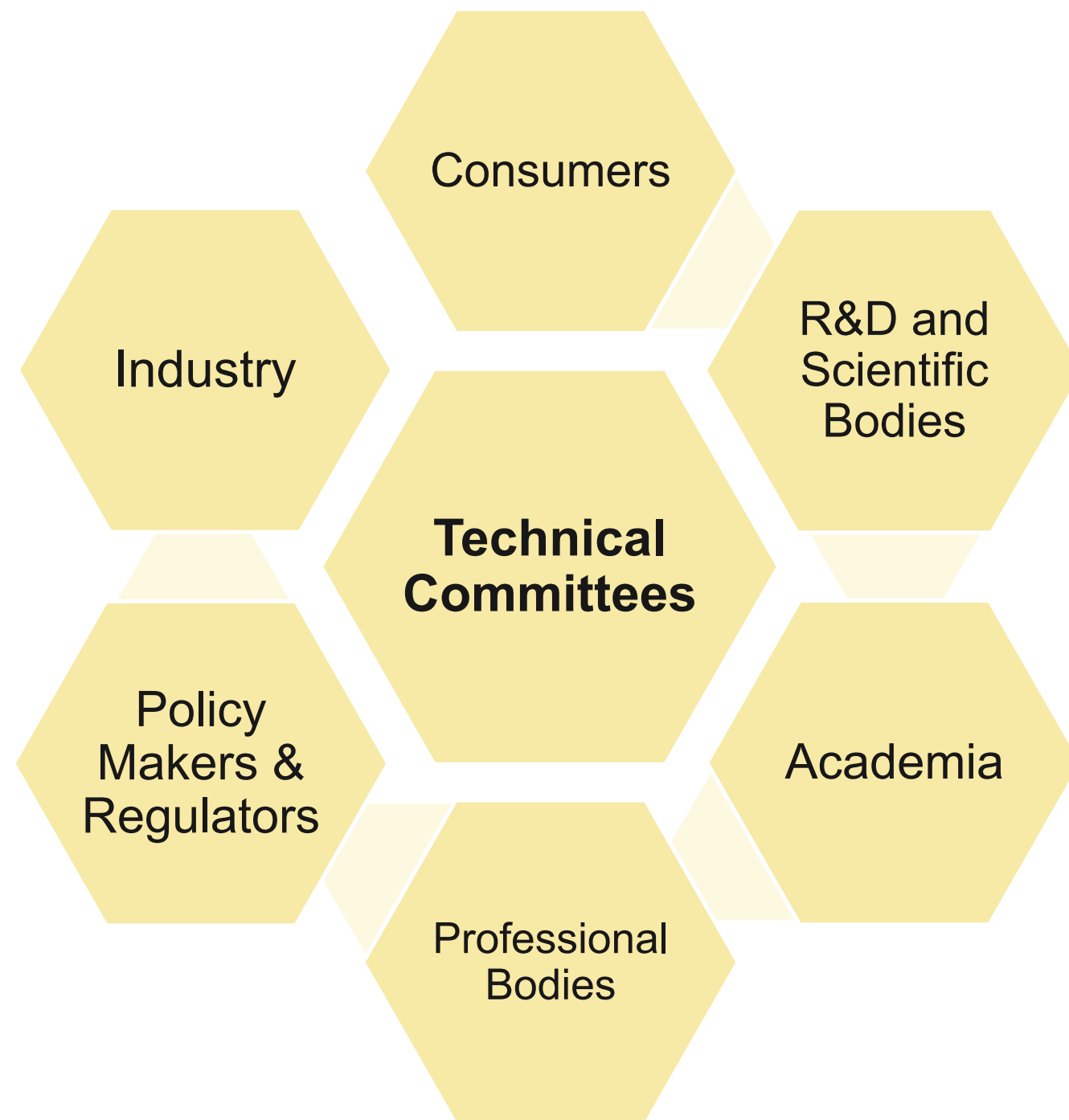
LABORATORY

TRAINING

- Strengthen consumer protection

- Enforce the use of Standard Marks

How are standards written?



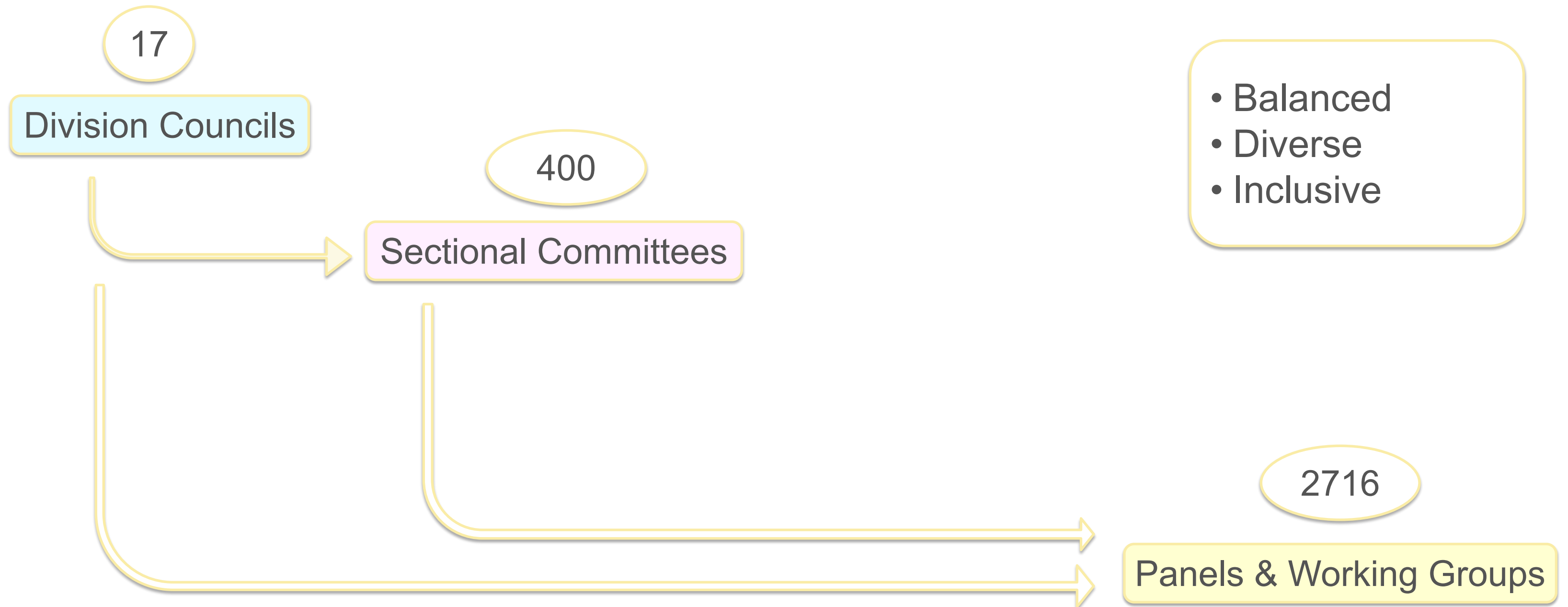
Consultative process

Consensus approach

Circulation of drafts &
Public Commenting

Meetings

Standards development in BIS – Technical Committee Structure of BIS



Standardization areas/sectors of BIS

17 Division Councils

- Civil Engineering
- Chemical
- Electrotechnology
- **Environment and Ecology (latest)**
- Electronics & IT
- Food and Agriculture
- Mechanical Engineering
- Medical Equipment & Hospital Planning
- Management & Systems
- Metallurgical Engineering
- Petroleum, Coal & Related Products
- Production & General Engineering
- Transportation Engineering
- Textiles
- Water Resources
- Services Sector
- Aayush

Sectional Committees, Working Panels and Working Groups

Sectional Committees

- Deals with Specific technologies and economic sector
- Programme of Work
- Representation from various Stakeholders.
- Annual Programme for Standardization
- Quarterly Meeting
- Commenting on draft standards

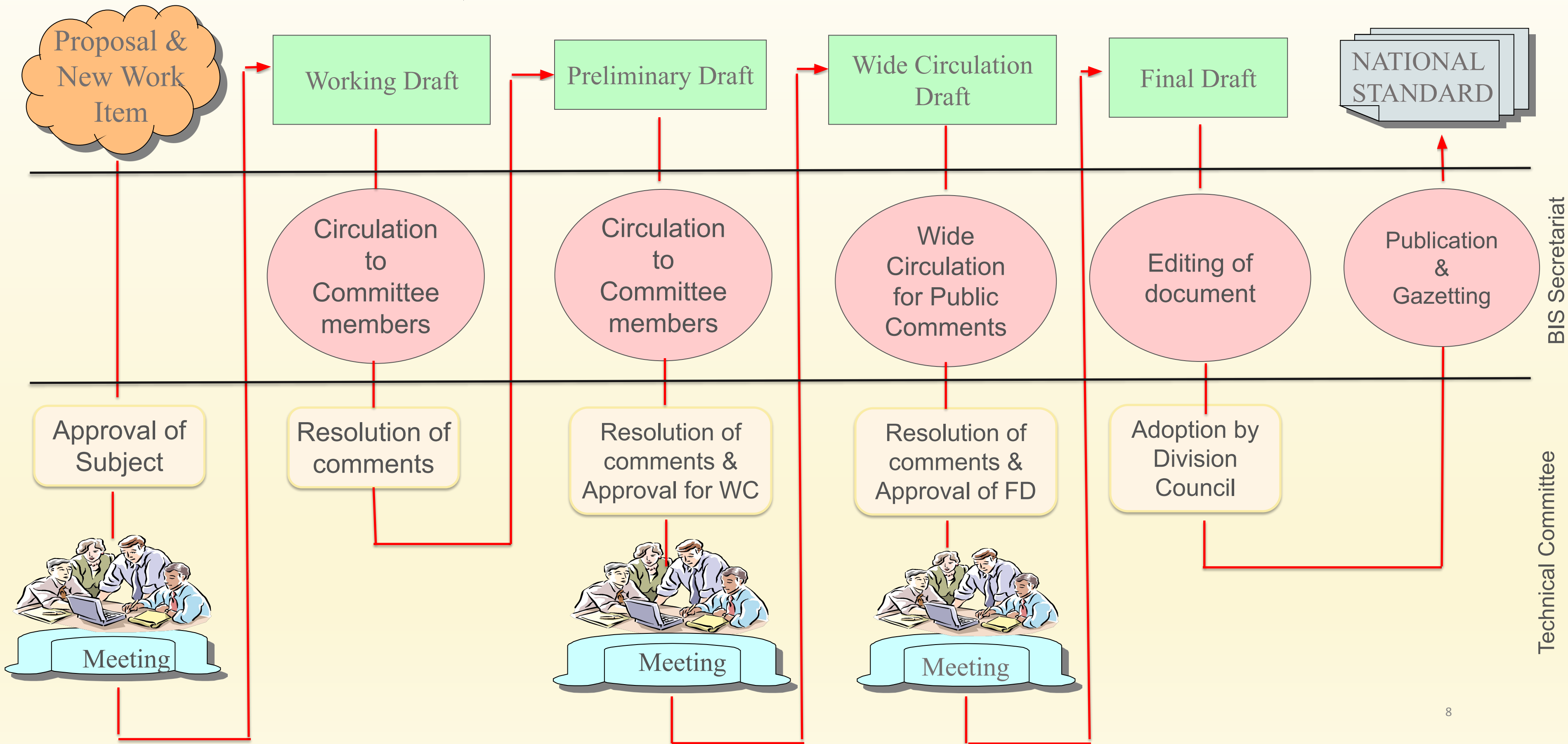
Working Panels

- Smaller Group of Experts
- Standing in Nature

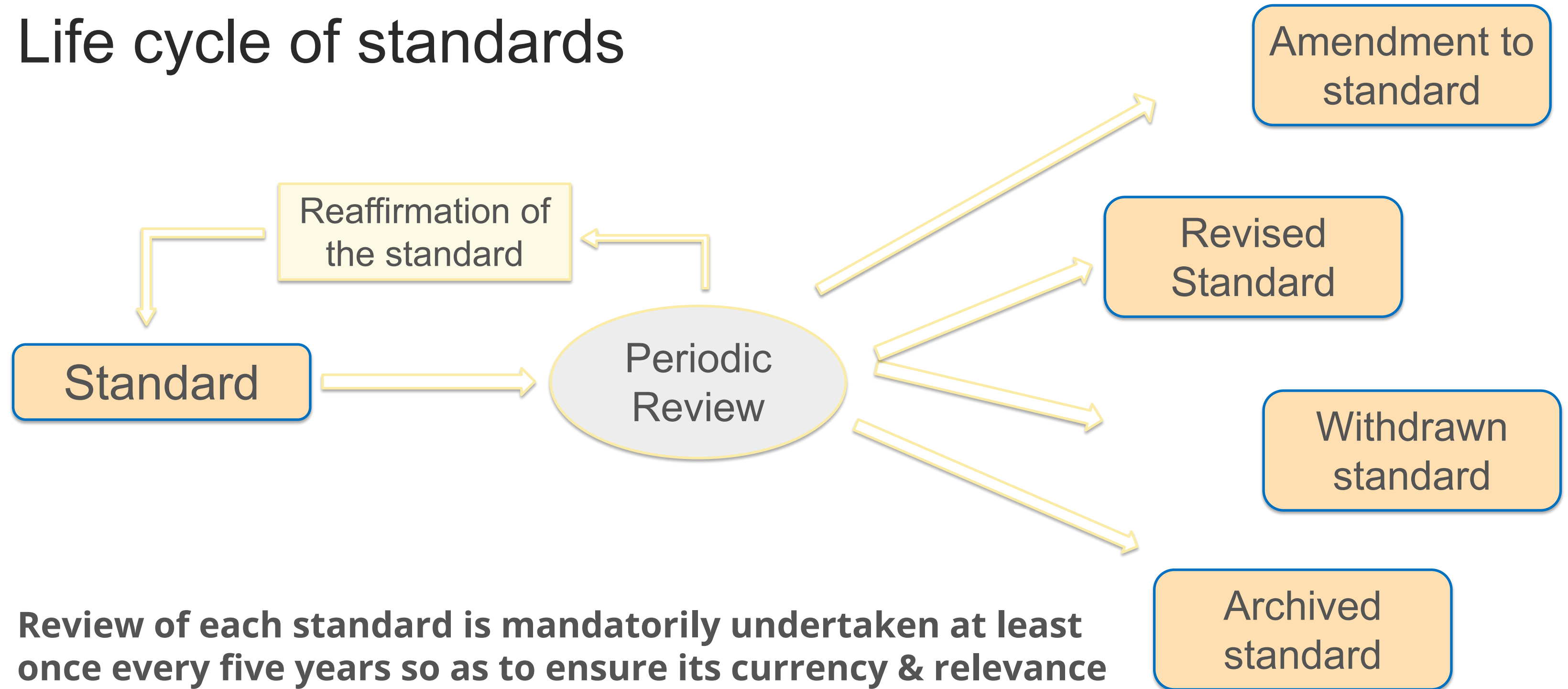
Working Groups

- Special purpose vehicle to carry out a specific task
- 3 – 5 domain area experts

Standards Development Process of BIS



Life cycle of standards

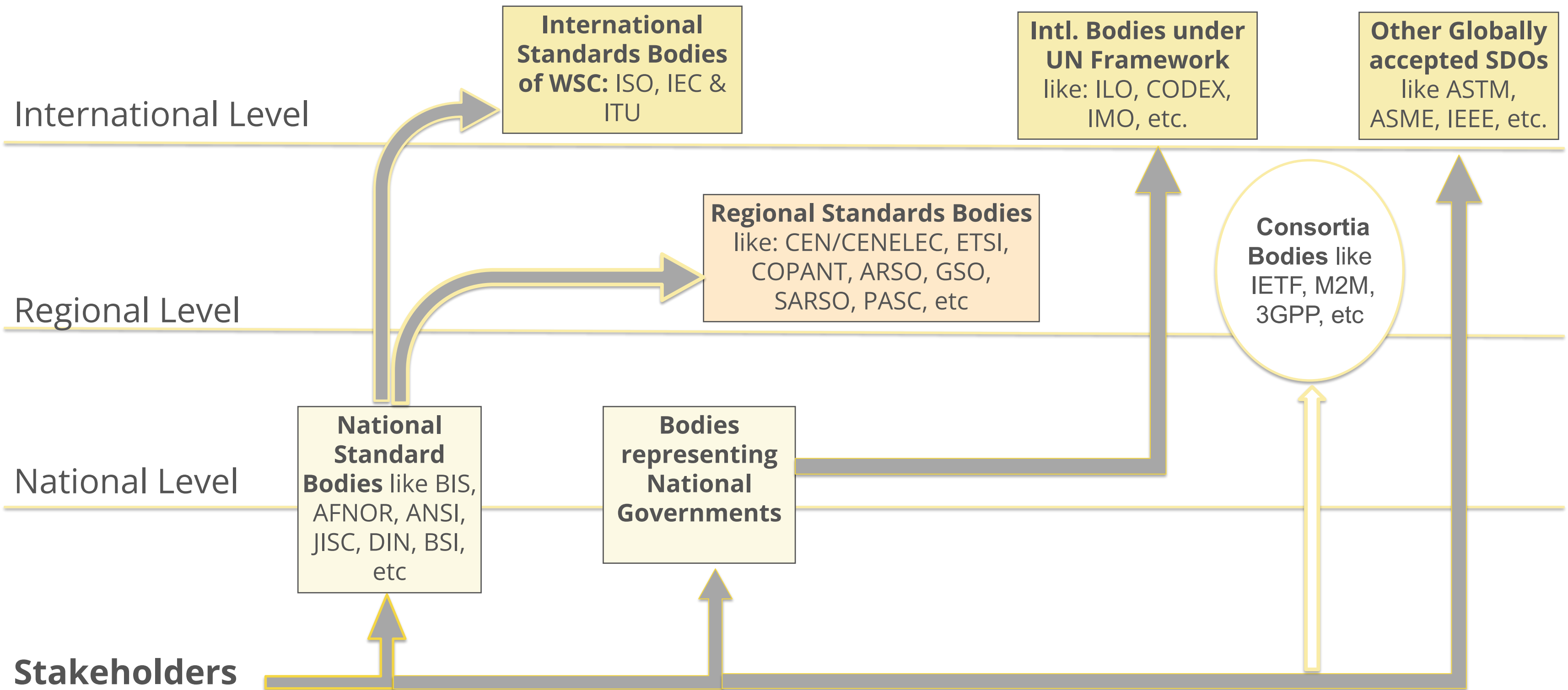


Types of standards

- **Product specification**
- **Method of tests**
- **Code of practices, Recommendations, Guidelines**
- **Basic standards**
- **Terminology, Symbols**
- **Sampling**
- **Systems Standard**
- **Service Standard**



The complex world of standardization



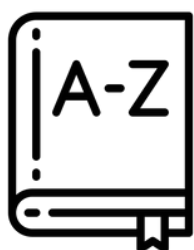
Increasing Global Footprint of BIS



14 Secretariats in ISO
2 recent secretariats



1. ISO/TC 249/SC 2
Ayurveda and Yoga



2. ISO/TC 98/SC 1
Bases for design of structures
- Terminology and symbols



3. ISO/TC 157
Non-systemic
contraceptives and STI
barrier prophylactics



Organization	P-member	O-member
ISO	580	139
IEC	129	51

Contributing in International Standardization



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**Nomination of experts
as per High, Medium
and Low priority**



**projects
Young professionals
programme of BIS**

ISO/IEC Projects

Select ISO/IEC

Select ISO/IEC Committee

Select Department

Select Technical Committee/WP/WG

Apply

Reset

Excel

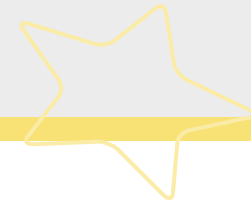
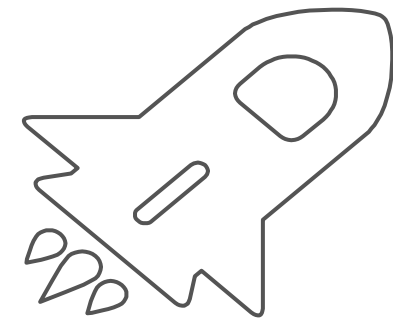
Search:

S. No.	Ballot Title	Stage	ISO/IEC Committee	BIS Committee	View Document	Action
1	Pallets for materials handling — Vocabulary ISO/CD 445(TED 24)	CD	(ISO/TC 51)	Transport Packages, Packaging Codes and Pallets Sectional Committee (TED 24)	File Not Found	+ Join as Expert
2	Welding — Measurement of preheating temperature, interpass temperature and preheat maintenance temperature ISO/FDIS 13916 (Ed 3)(MTD 11)	FDIS	(ISO/TC 44/SC 10)	Welding General and its Applications sectional Committee (MTD 11)	File Not Found	+ Join as Expert
3	Specification and qualification of welding procedures for metallic materials — Qualification based on a pre-production welding test ISO/FDIS 15613 (Ed 2)(MTD 11)	FDIS	(ISO/TC 44/SC 10)	Welding General and its Applications sectional Committee (MTD 11)	File Not Found	+ Join as Expert
4	Draft Resolution 2/2025 - ISO/WD 9681 approved for CD Draft Resolution 2/2025 - ISO/WD 9681 approved for CD(MTD 5)	CIB	(ISO/TC 132)	Ferro Alloys (MTD 5)	File Not Found	+ Join as Expert

Statistics at a glance

- 23,890 Indian Standards (IS) formulated, (harmonized with ISO/IEC - 9,920)
- Over 14,000 experts involved in standards formulation
- 187 TR/QCOs covering 770 products have been notified for compulsory BIS certification by the respective line Ministries/Departments of the Government.
- 50,448 certification licenses covering 1401 Standards
- 25,521 Operative Registrations under Compulsory Registration Scheme (CRS) or self-declaration of conformity to Indian Standards for 73 products (61 MeitY, 8

MNRE, 3 DCPC, 1 Ministry of Textiles)



Thank You !