

Development of National Standards by Bureau of Indian Standards

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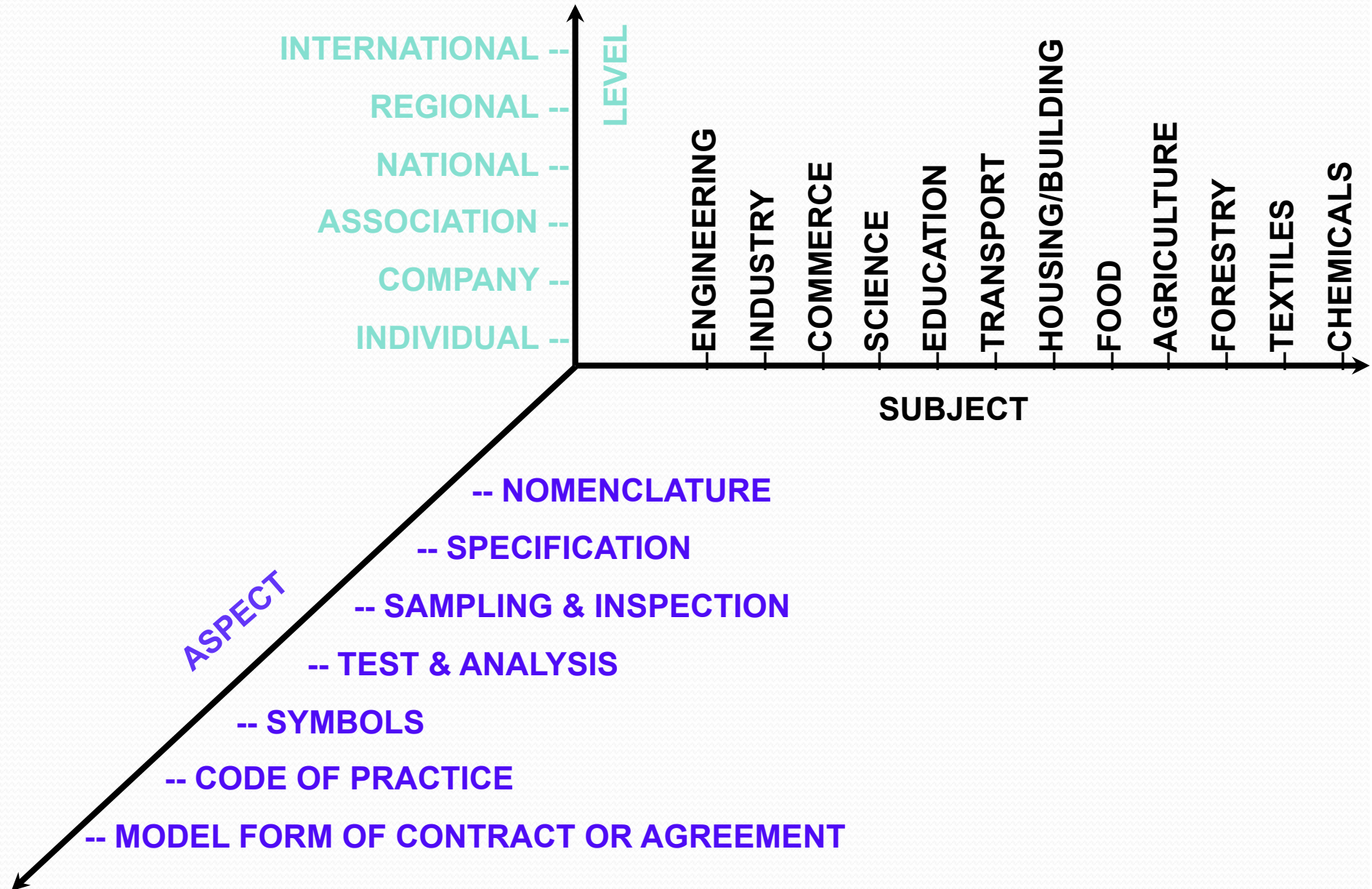
**Scientist F & Head(Electro technical
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Objectives

- Harmonious development of
 - Standards
 - Marking
 - Quality Certification
- Provide new thrust to
 - Standardization
 - Quality Control
- To evolve a national strategy for according recognition to standards and integrating them with growth and development of production and exports

STANDARDIZATION SPACE



Standards are made with following in mind

Safety



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graph TD; A[Safety] --> B[Ease of use and adaptability]; B --> C[Simple Technology]; C --> D[Value for money products]; D --> E[Energy Efficiency & Environment];
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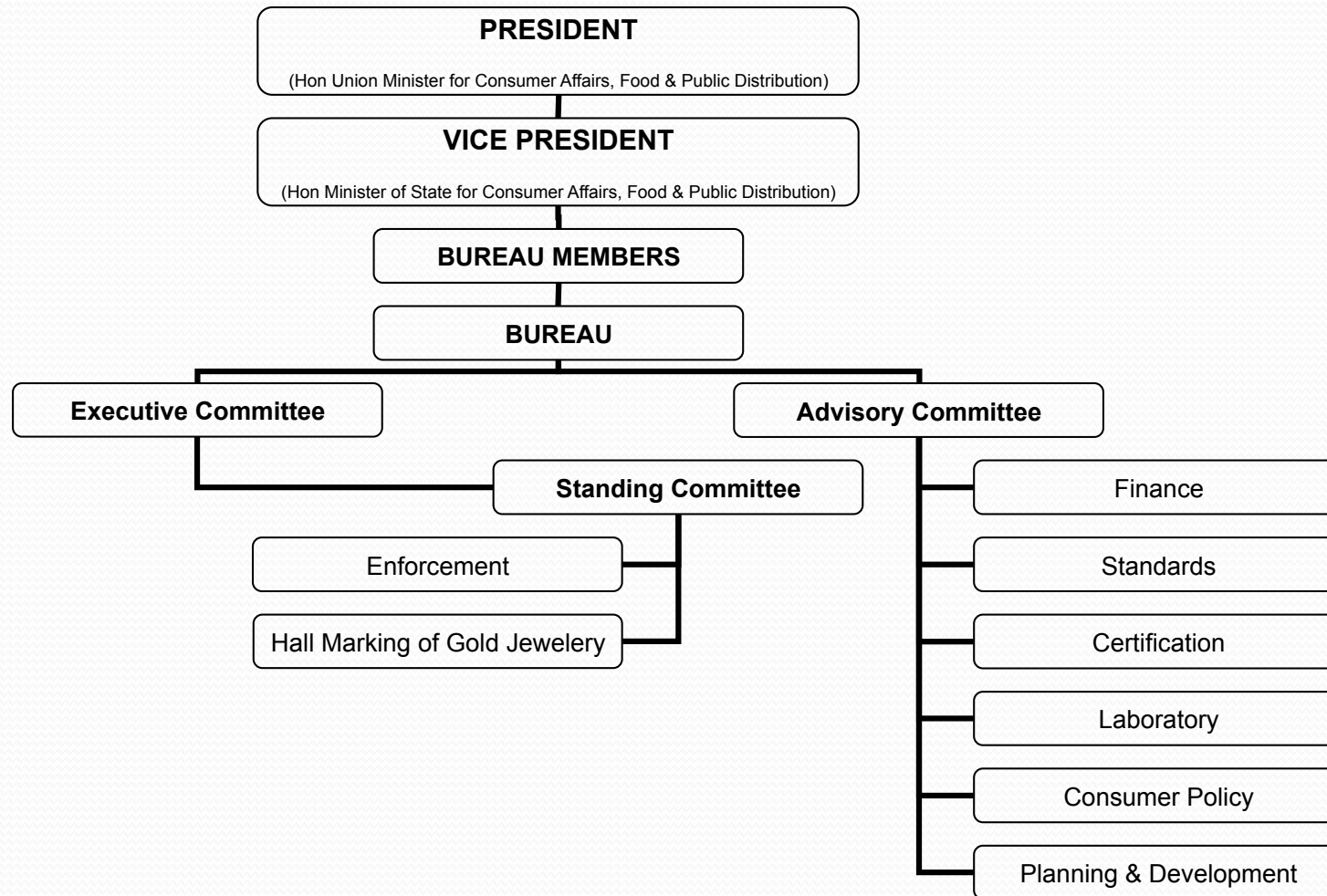
Ease of use and adaptability

Simple Technology

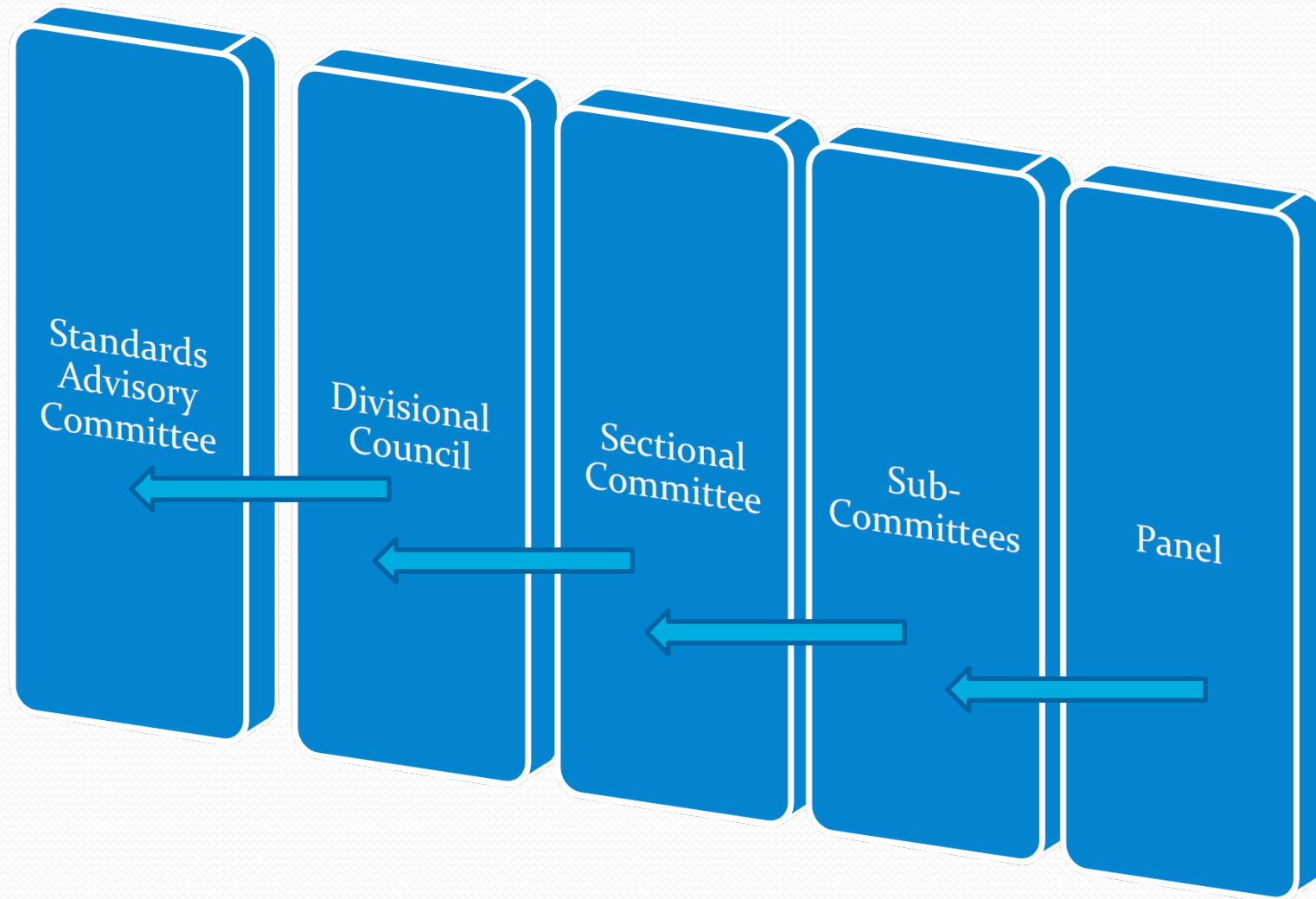
Value for money products

Energy Efficiency & Environment

Structure of BIS



Structure for development of Standards





Committee membership

Manufacturers

Government

Experts

Consumers/
Consumer
organizations
(NGO)

R&D
organizations/
Laboratories



ELECTRIC LAMPS & THEIR AUXILIARIES SECTIONAL COMMITTEE, ET 23 (National Mirror Committee of IEC TC 34)

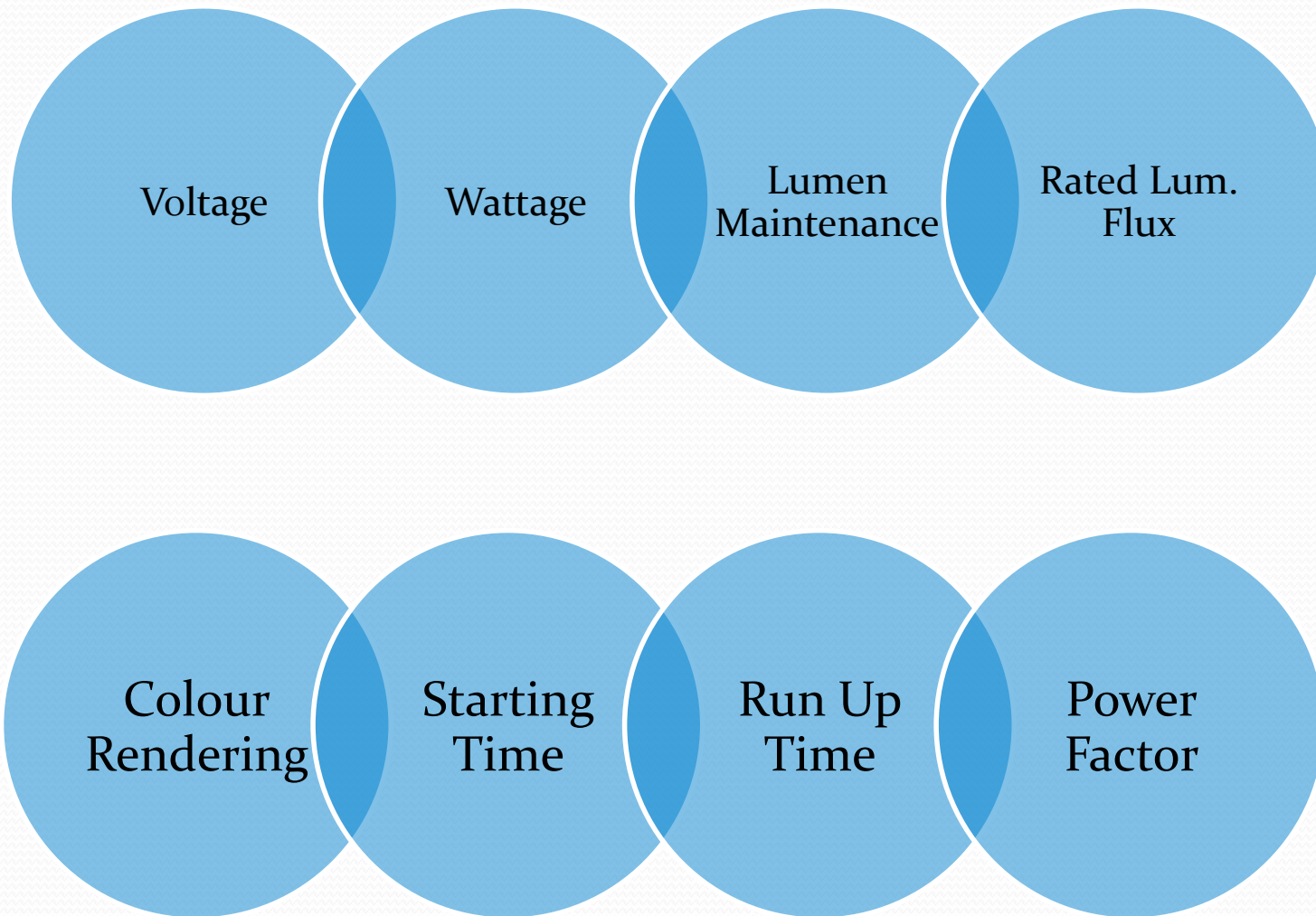
Scope: To prepare standards for all types of electric lamps, caps and their auxiliaries (luminaries are excluded)



TYPES OF ELECTRIC LAMPS COVERED

- TUNGSTEN FILAMENT LAMPS (GLS)
- TUBULAR FLUORSCENT LAMPS (TFL)
- MERCURY/SODIUM VAPOUR DISCHARGE LAMPS
- COMPACT FLUORSCENT LAMPS (CFL)
- LIGHT EMITTING DIODES (LED)
- METAL HALIDE LAMPS

Features for Energy Efficient Lamps under BIS Standards



Harmonization with IEC Standards

- In most cases IEC standards are taken as guides and adopted to Indian requirements
- Once finalized, the standards are given exclusive IS numbers, like IS 15111, Part I and Part II for CFL (Techno Identical to IEC 60968 & IEC 60969)
- Some standards that are adopted directly, carry dual numbers like IEC..../IS....
- At present BIS has adopted more than 700 IEC standards in the field of electro-technology. Moreover, 39 standards out of the 81 standards formulated under ET 23 and ET 24 are harmonized with corresponding IEC standards.

Environment

Limit on use of Hazardous material

Long Life Products

Safe Disposal

Statutory notice on products

Enforcement

Certification

Random Sample Testing

Raids by Enforcement Department



THANKS