

Standards and Their Development

Tim Benstead CEng; MSC; MIET; MCIBSE; BEd(Hons)

BS 0 – A standard for standards!



Freely available standard as a download.

Scope:

“The principles encompass the development, publication, maintenance and application of British Standards and related standardization documents, together with the UK’s participation in European and international standardization.”

Terms and definitions matter:

- CENELEC – European committee for electrotechnical standardisation
- TC – Technical committee
- CD – Committee draft
- CDV – Committee draft for voting
- Conflicting national standard – BS within the same scope and field having provisions which preclude compliance with international/European standards.
- Consensus – general agreement having an absence of a sustained objection
- Corrigendum – alteration which corrects an error(s)
- DPC – Draft for public comment
- EN – European standard
- FDIS – Final draft international standard
- IEC – International electrotechnical committee
- ISO – International organisation for standardisation
- Normative – Essential for the application of the standard
- TR – Technical report
- TS – Technical specification
- WG – Working group

Principles of standardisation

Purpose:

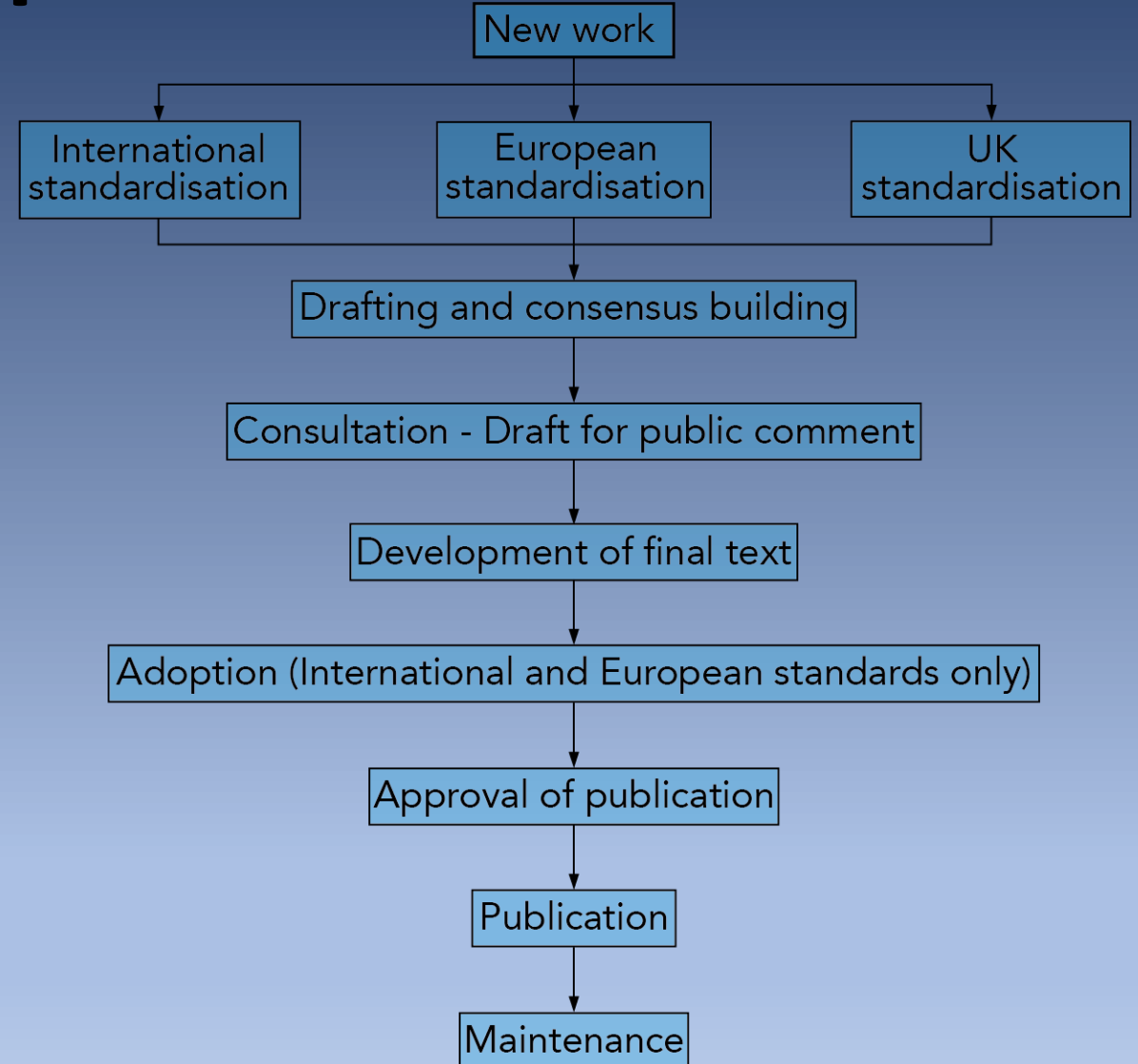
- Facilitate trade
- Provide a framework for achieving economies, efficiencies and interoperability
- Enhance customer protection and confidence
- Support policy objectives and, where appropriate, offer alternatives to regulation.

British Standards

- Development by balanced and broadly representative standing committee that reach agreement by consensus
- Subject to unrestricted open consultation
- Subject to systematic periodic review.

Development of British Standards

- Origin in international standards:
 - BS 7671 – CENELEC and IEC



International and European Standards

- Technical committees – national delegations appointed by member bodies (e.g. JPEL64)
- Working groups (also called maintenance teams) – a sub-committee of a TC where much of the technical work is done
- National bodies - Comment and vote on all CDs, CDVs, Dis and FDIS documents

BS 7671

- Technical authority reside in joint BSI/IET committee JPEL64
- Consists of many members – BEAMA, BCA, IET, CIBSE, ECA, SELECT, CGLI, ESF, IHEEM, NAPIT, CERTSURE LLP, and others
- Four sub-committees – A, B, C and D
- Under constant review
- Most amendments come from IEC/CENELEC documents

Conclusion

- All national committees consist of a range of members having necessary skills and experience
- No one organisation has a dominant position
- No one organisation 'writes' the standard
- All committee members have legitimate concerns and help in making standards.