



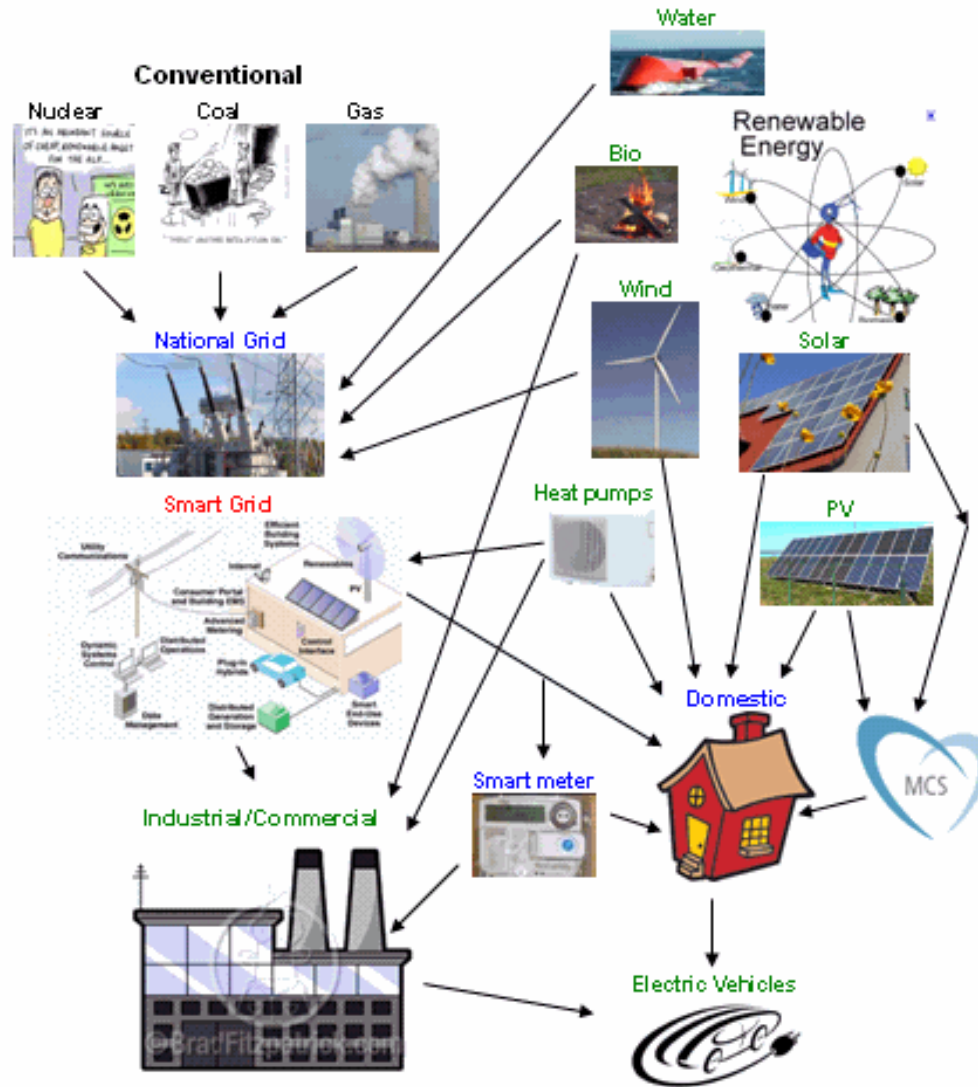
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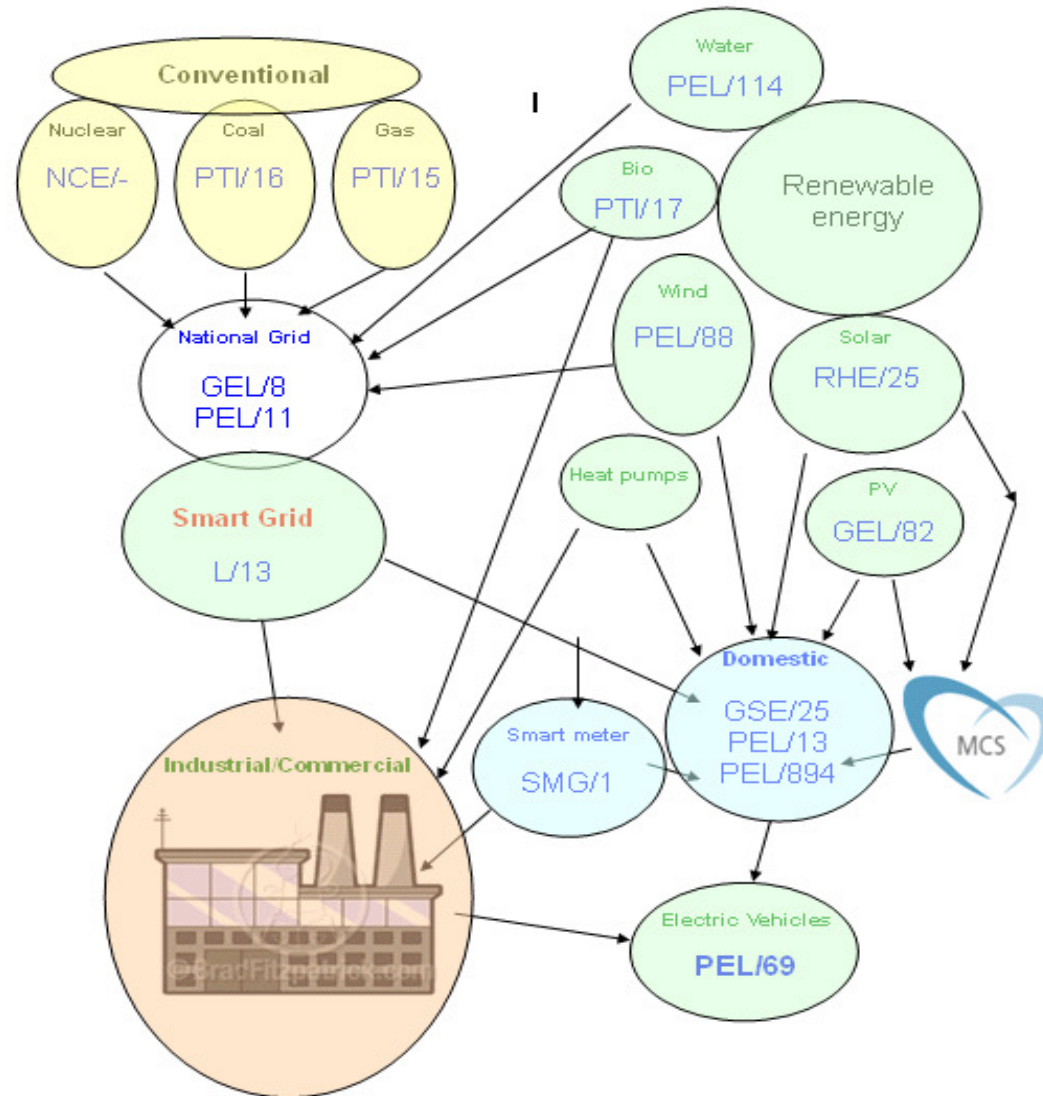
Energy standards development



Energy sources and uses



BSI Technical committees



Current priorities

European driven work on

- **Smart Grid**

- BSI policy committee L/13
- European work co-ordinated by ESO SM-CG to support EC Mandate M490

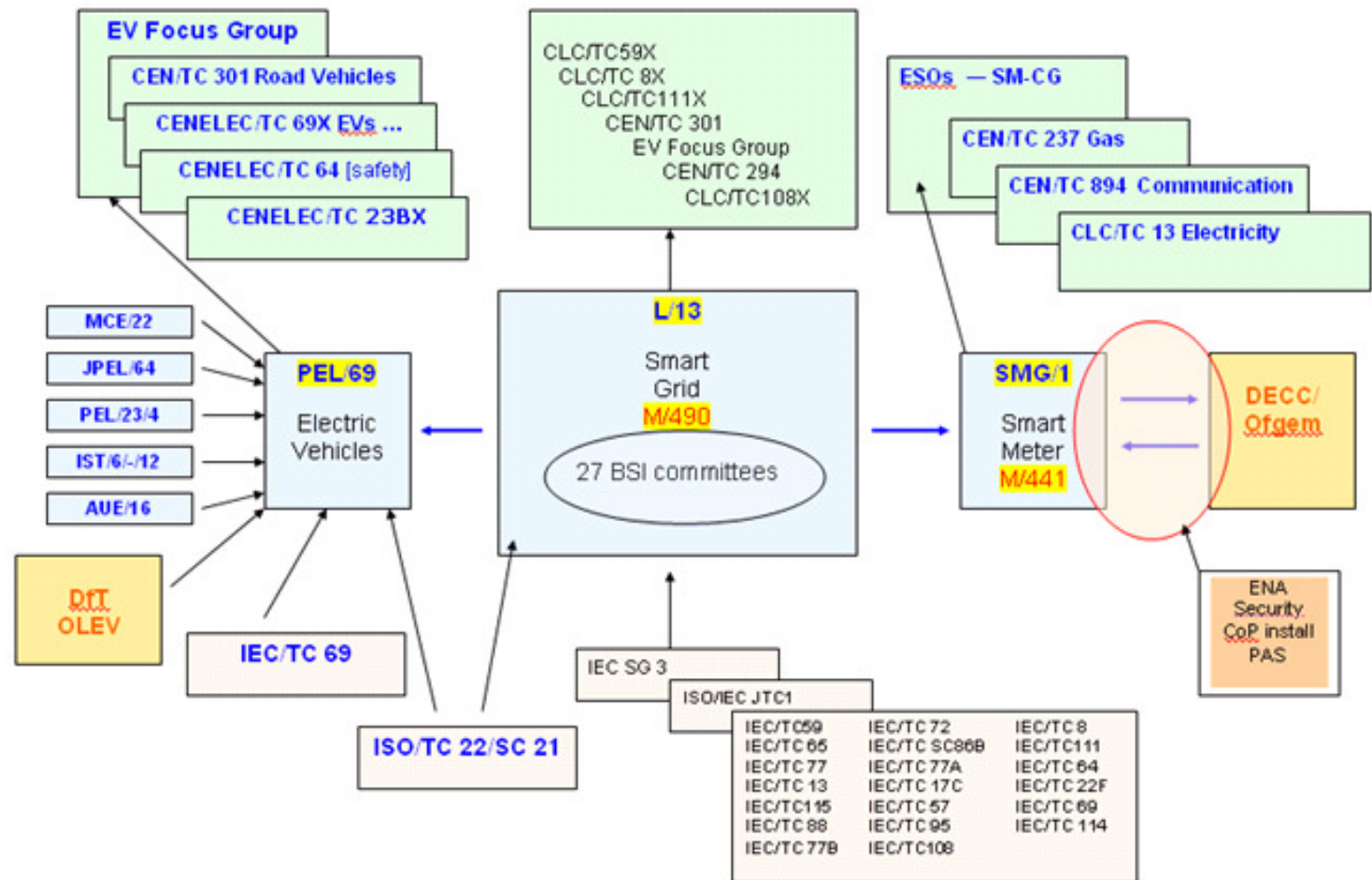
- **Smart meter**

- BSI committee SMG/1 — *Smart meter group* and related technical committees
- European work co-ordinated by SG-CG to support EC Mandate M/441

- **Electric vehicles**

- BS Technical committee PEL/69
- European work co-ordinated by EV Focus Group to support EC Mandate M/468

'Smart' European and International Technical Committees



Key standards

BS EN 50160:2010 *Voltage characteristics of electricity supplied by public electricity networks*

BS EN 60038:2011 *CENELEC standard voltages*

BS EN 61851-1:2011 *Electric vehicle conductive charging system — General requirements*

DD CLC/TS 50457-2:2008 *Conductive charging for electric vehicles — Communication protocol between off-board charger and electric vehicle*

BS 7856:1996 *Code of practice for design of alternating current, watthour meters for active energy (classes 1 and 2)*

BS EN 62056 (series) *Electricity metering — Data exchange for meter reading, tariff and load control*

BS EN 60870 (series) *Telecontrol equipment and systems — Transmission protocols*

PD CEN/TR 16061:2010 *Gas meters — Smart gas meters*

Communications protocol standards: *MBUS, COSEM, Zigbee*

Thank you!

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