



- 1.** This standard covers
  - 1.1** Stationary drives directly related to operations such as turnout motors, decoupling setups, signals and turn tables;
  - 1.2** Stationary equipment that serves the broader layout design such as lighting, drives of functional models, as well as
  - 1.3** Stationary equipment per section 1.1 and 1.2 that are controlled or operated by a decoder.
- 2.** The electrical components of the stationary equipment are to be implemented so that they are DC powered. The equipment per 1.1 and 1.2 should also function with AC power.
- 3.** The nominal input voltage of the stationary equipment per 1.1 is:

**Table 1:**

Gauge G	in mm	6.5	$6.5 < G < 45$	$\geq 45$
AC powered	in Volt	10	14 to 16	14 to 18
DC powered	in Volt	8	12	14 to 18

- 4.** Stationary equipment per section 1.2 shall to be driven by 15 V DC, independent of scale.
- 5.** Stationary equipment controlled by decoders may be powered by the same or a separate digital power source, as is described in section 4 of NEM 641.
- 6.** Decoders which are only used to control stationary equipment and that allow for external AC or DC supply power, can switch the voltage values according to Table 1.
- 7.** For stationary equipment per section 1.1, the digital power supply voltage may, in accordance with NEM 641, be dependent on scale.