1. **General**

In this standard a system is referred to as "**alternating current traction promotion**", which corresponds to the following requirements:

1.1 The power feed of the traction units is usually carried out by alternating voltage; as a special case, polarized voltage is also possible.

1.2 The direction of rotation of the motors is determined by a **direction switch** in the traction unit and is independent of the polarity of the driving voltage.

1.3 The speed of the motors is controlled by the driving voltage.

2. **Driving voltage**

The effective value of the rated voltage is 16 volts.
The maximum frequency of the alternating voltage base wave is 60 Hertz.

3. **Direction switch**

The position of the direction of travel switch determines the direction of travel of the traction vehicle.
The direction switching is carried out by a surge pulse of 24 volts nominal value.
The surge pulse must not be shorter than 0.1 s and no longer than 3 s.