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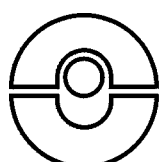
1st edition, April 2000

Translation

Voltage at the Pantograph

Tension au pantographe

Spannung am Stromabnehmer



*Union Internationale des Chemins de fer
Internationaler Eisenbahnverband
International Union of Railways*

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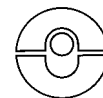
VII - Way and Works

Application :

With effect from 1st July 1999

All members of the International Union of Railways

The person responsible for this leaflet is named in the UIC Code



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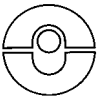
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Summary

This leaflet briefly refers to generic documents concerning values for voltage at the OHL and voltage tolerances and then defines an index of the quality of voltage at (the) pantograph(s) (for categories of high speed line).

When dimensioning studies for electric traction fixed installations are carried out, mainly on the basis of simulated traffic, this index called the "mean useful voltage at train pantographs" is calculated using a formula which can be adapted to dedicated software. It reflects the level of performance that electric traction fixed installations can provide to different trains running in a given zone. Compliance with the minimum values indicated in the leaflet will enable infrastructure managers to guarantee a realistic simulation of the traffic graph.

Lastly, the leaflet contains a method to verify that simulation results converge with measurements on board trains.