

Jarosław Moczarski: Basics of Exploitation of Railway Signaling Systems

The exploitation of railway signaling systems constitutes an action that enables a safe and efficient functioning of the railway transport system as well as realization of transport tasks. In the new, 4th edition of the book, the basis of the exploitation theory were presented. A model of the signaling systems exploitation process model was shown. The issues related to infallibility and durability of technical objects and the systems safety were reviewed. The processes of aging and wear and tear of elements of devices were described. The rules of realization of exploitation and diagnostic tests were presented together with the rules of management of an exploitation process. The book is intended for students of technical fields of study, in particular for signaling specializations, as well as for practitioners dealing with exploitation of signaling devices and systems, decision makers dealing with railway infrastructure, designers and producers.

Keywords: exploitation of signaling systems, maintenance process organization