



## An introduction to ETCS

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This ABSTRACT offers you: a compact introduction to the structure and operation of ETCS an overview of operating modes and technical components a preparatory reading for tasks in project planning, development and application of ETCS "An introduction to ETCS" covers the most important aspects of the European Train Control System (ETCS) as part of the European Rail Traffic Management System (ERTMS). The author introduces the basic technical principles of ETCS, starting from the legal basis. He presents the structure and the mode of operation of the different equipment levels and describes the individual components of the vehicle and track equipment. The operating modes supported by ETCS are used to show how ETCS can be integrated into railway operations in the various countries. The presentation of basic technical interrelationships and safety functions creates an understanding of the future uniform European train control and protection system. This ABSTRACT enables students and practitioners in the railway industry to get a quick start on the subject and offers numerous points of contact for further research. Cross-border mobility in European...

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