Overview and Revision Trends of the European Standard on Evaluation and Vibration Measurement in the Railway Sector

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This paper provides an overview of the methods used in Europe to assess ride comfort, focusing on EN 12299, the European standard that specifies the methods for evaluating the ride comfort of railways and measuring vibration. It also reviews recent developments in the revision of the standard. Particular attention is given to the 2024 revision of EN 12299. This paper outlines the main differences between the 2009 and 2024 editions and summarizes the modifications introduced in the latest version.