

“Railway Capacity – A Methodological Review”

The aim of this thesis is to create a comprehensive overview of capacity concepts as they relate to various planning levels in the field of railway transportation. Initially, existing capacity definitions and their applications across different planning contexts are to be introduced. Special emphasis is placed on understanding how these concepts are classified according to the different planning levels, the input data required, and the methods employed.

Attention should be given to categorizing capacity terms and their relevance within strategic, tactical, and operational planning layers. This involves identifying key input data that informs these concepts and evaluating the methodologies used for their analysis. Following this groundwork, proposals for a structured classification system are to be developed. Finally, the system should be applied to selected examples to evaluate its validity and applicability.