

# AERODYNAMIC EFFECTS ON THE STATION ENVIRONMENT DUE TO PASSING TRAINS

With the introduction of higher speed passenger and freight train operations, it is important that aerodynamic effects induced by the trains when passing through stations are taken into account in the positioning and securement of platform structures and equipment; also for the safety of the public and railway personnel on the platform. It is likely that information on these effects is not sufficiently accessible to architects and designers of station buildings and the associated infrastructure to allow the optimum design decisions and operating regulations to be produced. The object of this document, therefore, is to describe the nature of these effects and, as far as possible, to determine their magnitude in order to allow such considered decisions to be made. Some worked examples are given and general comments made on safety matters.