

Railway Fundamental Geospatial Data for National Spatial Data Infrastructure Applicable to Train Control

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In order to cope with the advancement and intelligentization of train control, the draft specification of the Railway Fundamental Geospatial Data for National Spatial Data Infrastructure, which conforms to Japanese Standards for Geographic Information and can replace distance indication by kilometers based on the three-dimensional absolute position coordinate (latitude, longitude and altitude), was studied; the test line in Railway Technical Research Institute was surveyed, the data based on this draft specification was created, the experiment to find out appropriateness of the draft specification when applied to some practical cases were conducted, and the Railway Fundamental Geospatial Data Product Specification was established.