Some aspects with regard to the design of transport instalations in forestry fund using modern technologies

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The development of all activities concerning forestry implies the existence of an adequate infrastructure. The network of roads serving the forestry sector, regardless to their specificity, must be designed with conformity to current technical normative, taking into account the characteristics and orography of the terrain. The study of the transport installation routes was performed using appropriate cartographical materials and observations on site, specialized software with the goal of reliable technical designs. Using specialized software adapted to terrestrial measurements and mathematical modeling software for the interpretation of the results, a series of solutions for the design of transport installations are proposed. These solutions take into account best alternatives of the transportation installations routes and the volume of route infrastructure. The present case study is about the characteristics of the design of a forestry transportation road in the forest patch Plopiş from the production Unit I Sâniob, Forestry District Săcuieni, Forestry Direction Oradea, using some modern logistics.