

## **SYSTEM APPROACH TO EFFECTIVENESS AND RELIABILITY PERFORMANCES OF A TRANSPORTATION SYSTEMS**

UDK: 629.113:62-192

*The paper deals with effectiveness and reliability performances of transportation systems as an organizational and technological ones. Basic decomposition of transportation system is carried out. Concepts of effectiveness and reliability performances being, transportation system quality performances are being defined. The influence of basic vehicle performances on effectiveness and reliability performances of transportation systems is investigated.*

*Key words: Transportation system, system approach, effectiveness, reliability, vehicle.*

## **SISTEMSKI PRISTUP EFIKASNOSTI I POUZDANOSTI PERFORMANSI TRANSPORTNIH SISTEMA**

*Uradu se razmatraju efektivnost i pouzdanost transportnih kao organizacijsko-tehnoloških sistema. Transportni sistem se dekomponuje po metodološkim nivoima sistemske analize. Definišu se pojmovi efektivnosti i pouzdanosti kao svojstava kvaliteta transportnih sistema. Istražuje se uticaj pojedinih svojstava vozila kao aktivnih sredstava rada u tim sistemima, za određene-različite strukture i parametre funkcionisanja tih sistema.*

*Ključne reči: Transportni sistem, sistemski pristup, efikasnost, pouzdanost, vozilo.*