

## RESUME

U današnjim tržišnim okolnostima nesporna je činjenica da je broj poslova koji se odvijaju uz pomoć informacionih sistema u stalnom porastu. O informacionom sistemu menadžment vrlo malo zna, a samim tim upravljanje i kontrolisanje je veoma teško. U ovom radu se objašnjava koncept revizije informacionih sistema. Revizija informacionih sistema se nameće kao imperativ uspešnog poslovanja. Da bi se poboljšalo upravljanje informacisko-komunikacijskih tehnologija u skladu sa regulatornim zahtjevima, organizacije koriste okvire najbolje prakse da bi olakšale rad. U procesu sprovođenja revizije i kontrole informacionih sistema koriste se već ranije precizirani standardi i zakoni, kao što su: CobiT, ISO 27001 i ISO 27002, ITIL (IT Infrastructure Library), Sarbone Oxley zakon, COSO (Committee of Sponsoring Organizations of the Treadway Commission) i Basel II, koji će detaljno biti objašnjeni u ovom radu, kao i neki od njih primijenjeni na konceptu revizije Prometnog centra Bihac.

**Ključne riječi:** IS, IT revizija, Cobit, ISO 27001 i ISO 27002, ITIL (IT Infrastructure Library), Sarbone Oxley zakon, COSO (Committee of Sponsoring Organizations of the Treadway Commission) i Basel II.

## ABSTRACT

In today's market places, there is undeniable fact that the number of jobs that are using the help of information systems is in increase. The management in the company often knows very little about the information system usage, and therefore it results in a problem of managing and controlling. This paper explains the concept of auditing information systems. Information systems audit is imposed as an imperative for future business successful. In order to improve the management of Information Communication Technology based on regulatory requirements, company uses the best practice frameworks to facilitate the work. In order to implement the audit and control of information systems company needs to use previously specified standards and laws, such as CobiT, ISO 27001 and ISO 27002, ITIL (IT Infrastructure Library), Sarbone Oxley Act, COSO (Committee of Sponsoring Organizations of the Treadway Commission) and Basel II, which will be explained in detail in this paper, and some of them are applied to the concept of auditing Traffic Center Bihac.

**Key words:** IS, IT Audit, COBIT, ISO 27001 and ISO 27002, ITIL (IT Infrastructure Library), Sarbone Oxley Act, COSO (Committee of Sponsoring Organizations of the Treadway Commission) and Basel II.