

UPOTREBA GIS ALATA PRI OCJENI STANJA ELEMENATA ŽELJEZNIČKE INFRASTRUKTURE FBiH	
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Odsjek/katedra	Saobraćajnice
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Sažetak:	Rad obrađuje postupak analize elmenata željezničke infrastrukture u FBiH. U prvom koraku je formirana geoprostorna baza podataka elemenata željezničke infrastrukture FBiH. Zatim je izvršena analiza usklađenosti elemenata infrastrukture u skladu sa tehničkim specifikacijama za interoperabilnost (TSI). U zadnjem koraku, pomoću AHP višekriterijske metode odlučivanja, izvršeno je rangiranje prioriteta intervencija na mreži. Rangiranjem su utvrđene dionice koje predstavljaju prioritet za intervenciju u cilju postizanja usklađenosti sa tehničkim specifikacijama.
Ključne riječi:	Željeznička infrastruktura, pravilnik 314, TSI, QGIS, analiza, rangiranje prioriteta, AHP, intervencija
THE USE OF GIS TOOLS IN ASSESSING THE STATE OF ELEMENTS OF RAILWAY INFRASTRUCTURE FBiH	
Summary:	The paper deals with the process of analyzing the elements of railway infrastructure in FBiH. In the first step, a geospatial database of elements of the FBiH railway infrastructure was formed. Then, an analysis of the compliance of the infrastructure elements in accordance with the technical specifications for interoperability (TSI) was performed. In the last step, using the AHP multi-criteria decision-making method, the priority ranking of interventions on the network was performed. The ranking determined the stocks that represent a priority for intervention in order to achieve compliance with the technical specifications.
Keywords:	Railway infrastructure, rulebook 314, TSI, QGIS, analysis, ranking the priorities, AHP, intervention