

## COMPETENCIES OF CONTEMPORARY SURVEYOR

**Bashkim IDRIZI<sup>1</sup>**

*UDC: 347.98:528-05*

- utilization of contemporary methods, methodologies, techniques and technology for measuring and surveying of terrain, objects and geospatial phenomena,
- evidence, registration, management, administration and valuation of real estate,
- designing, establishment and maintenance of 1, 2 and 3 dimensional geodetic networks,
- defining and transformation of coordinate reference systems,
- topographical and thematic mapping,
- planning, designing, developing, managing and updating geospatial databases and web applications,
- planning, designing, developing, managing and updating navigation systems,
- establishing and standardization of spatial data infrastructures,
- performing spatial analysis,
- processing and usage of satellite and photogrammetric images,
- 3D scanning of terrain, objects and geospatial phenomena,
- 2, 2.5, 3 and 4 dimensional modeling of terrain, objects and geospatial phenomena,
- geodetic works for planning, designing, implementation, observation and permanent monitoring of engineering buildings and industrial machinery facilities, etc.

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