

## IMPROVEMENT OF FIELD DECODING TECHNOLOGY WHEN CREATING A DIGITAL CITY PLAN

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The purpose of the work is to develop a highly effective system of mapping the territory of populated areas of the Russian Federation, develop satellite methods and positioning technologies, implement the global navigation satellite system GLONASS in all areas of the Russian Federation's economy, and ensure the defense and security of the state. The task of the work is to create digital state topographic plans of 1 : 2 000 scale for built-up areas of cities with a population of more than 1 million people and the creation of digital state topographic plans for public use, which are the cartographic basis of navigation plans of cities, on their basis.

The article considers the technology of field decryption when creating a digital city plan of 1 : 2 000 scale using a quadcopter in the Panorama software.

According to the state contract, a set of topographic, geodetic and cartographic works was performed: a digital plan of the city on a scale of 1 : 2 000 was created in the State geodetic coordinate system of 2011 (GSK-2011), and the Baltiyskaya elevation system of 1977.

**Key words:** field interpretation of satellite images, digital topographic map of the state, the global navigation satellite system, quadcopter, software "Panorama".

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