

Quality Control Method for Results of the Third National Land Survey Project

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Abstract: In the process of carrying out land survey, scientific control of the quality of project results can ensure higher investigation accuracy in the specific work process, and create good conditions for the orderly development of its work. this paper first analyzes the technical characteristics of three adjustments, and then based on this, further explores the project results quality control strategy.

Keywords: Land survey project; Results quality control; Control method

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1. Introduction

When three adjustable work, has a more advanced means of investigation, higher precision, and its content also has higher comprehensive investigation, in the specific work process, scientific quality control project achievements is of great value, can deliver improved survey accuracy, in order to have more clear cognition, to its hereby launched the study.

2. Three Technical Characteristics

First of all, it has more advanced means of investigation. When carrying out the specific work of the three surveys, the modern technology that is highly integrated with big data analysis, communication technology, 3S technology and Internet + is the latest technology adopted by its staff. The scientific application of tablet computer or mobile phone with direction sensor and satellite positioning function is applied. Based on the Internet proof software provided by the relevant national departments, the comprehensive information such as the shooting time, shooting azimuth and GNSS coordinates of the field photos are encrypted and packaged, and submitted to the national proof platform at the same time, so that the relevant

national departments can control them more effectively. At the same time, with higher survey accuracy and effective implementation of urban-rural integration, in the process of rural survey, it is necessary to control its scale, not lower than 1:5,000, while in the process of urban and village investigation, it is necessary to control its scale at 1:2000, if the construction area has higher management requirements, relevant departments can appropriately improve group accuracy requirements^[1]. In addition, it has more strict quality control. The main purpose of the three adjustments is to comprehensively refine and scientifically improve the data related to land use, so as to ensure that the staff at all levels can fully grasp the changes of land resources and the status quo of land use. Therefore, based on the detailed rules and unified quality put forward higher requirements to its data results, to ensure the effective control the whole process to carry out the scientific introduction of supervision system, based on strict rules that each link of the construction, checking and peer review operation department also need to ensure that the AI and the effective implementation of inspection system, ensure the timely inspection and effectively handle relevant issues.

3. Quality Control Strategy for Project Results

3.1 Improve Organizational Management Scientifically

In carrying out surveying and mapping work, build scientific management system is the important condition of each work orderly, surveying and mapping work units must be scientific and effective management for related organizations, reasonable construction of quality management system, education training of its staff at all levels, achieve improved related personnel professional ethics and professional quality, clear the inspector of the specific job functions, At the same time, it is also necessary to carry out the scientific construction of the assessment reward and punishment mechanism, so that the work performance of relevant units is closely linked with the market credit, and the scientific construction of the inspection and supervision system. If there is a problem, it must be immediately notified and handled, and quality accidents are strictly prohibited.

3.2 Improve the Quality of Relevant Personnel

Due to the need for the application of Internet +, 3S and other fusion of new technologies, the three adjustment work involves data analysis space, database, computer navigation positioning, geographic information mapping and other professionals, and in the specific three adjustment work, the need to increase the input of technical personnel. With specific work at the present stage in China, some problems greatly unit personnel reserve, and site staff business capability and technical level there is much difference, at the same time, the work experience and professional background also have greatly different, because the related, the enterprise needs to effectively implement the practice training and professional training, or in a small scale as a pilot, Summarize work experience. At the same time, mentoring can also be used to effectively improve the technical and business capabilities of relevant personnel to further meet the needs of production operations. Based on this, in the concrete selecting service unit, need to ensure that relevant unit management intensive, with strong technical ability, high credibility, high credibility of the enterprise, at the same time also to the scientific and perfect quality management system, in the concrete work, needs based on different tasks related to its staff professional skills training, Ensure the comprehensive implementation of relevant work norms, so that the production process of various problems can be effectively solved, and then ensure the correctness of the operation

method, guarantee the quality of the results.

3.3 Strictly Control Quality Testing

Project management should attach great importance to quality management, and regard the establishment and implementation of quality management system as the key point of relevant work. Quality inspection personnel and quality inspection institutions must be rationally allocated and their job responsibilities clearly defined. In specific management work, must ensure that the inspection content, requires very high field sampling quantity conform to the requirements of the regulations, at the same time also to its point of quality risk assessment mechanism of scientific construction, real-time attention point of risk specific conditions, to ensure the effective implementation of the first product inspection, in carry out before the next procedure, must carry on the strict inspection for a period of working procedure, To ensure that the standard is met before proceeding with the project construction^[2]. In this process, if problems are found, they must be dealt with in a timely manner, so as to realize the effective implementation of the follow-up review system and effectively avoid the inspection work as a mere formality. If inspectors are found to be perfunctory or conceal quality problems, they must be dealt with seriously.

3.4 Identifying Key Links of Inspection

In the process of quality control of the third survey project, the results summary, database construction, land survey data, ownership survey data, source data, basic data and other common control elements. During the specific secondary inspection of project construction, specific work needs to be carried out around the operation process. In this process, key points need to be grasped and key points highlighted. Relevant unit needs comprehensive implementation process in the whole construction process inspection, especially need to attach importance to the first product inspection, to ensure that in the process of specific work can be found that the problem in time and reasonable rectified, effectively avoid the error accumulation, resulting in large area of rework, after product inspection qualified, can continue to the next working procedure, based on this, In order to ensure the effective improvement of the overall construction quality. In the process of carrying out specific project construction, only to scientifically comb the quality points of each work process, strictly control them, eliminate quality problems, at the same time, carry out scientific guidance and reasonable correction of the specific work of its technical personnel, to avoid technical

route deviation.

4. Conclusions

To sum up, through scientific improve organization and management, to enhance the quality related personnel, strict quality control testing, clear check key link to ensure that when the third national land survey more effective control over the quality of the project results, and make sure you are able to effectively improving the quality of projects, make it a higher degree of meet the demand of

development of related industries.

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