

# Formation of a system for selection and further support of sportsly gifted children, taken into account of continuity and consistency of sports training

UDC 796.015.82



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Received by the editorial office on 25.01.2024

## Abstract

**Objective of the study** was to development of proposals for the formation of a system of selection and further support of sports gifted children, taking into account the continuity and consistency of sports training.

**Methods and structure of the study.** The protocol of expert analytical work included: purpose, objectives, methods (theoretical analysis and synthesis of scientific and methodological literature and documentary sources, a survey of regional executive authorities in the field of physical culture and sports, qualitative PESTEL and SWOT analysis), planned results, and also the scope of application of these results. The study was conducted during 2023 and covered 84 regions of the Russian Federation. More than 1,000 scientific articles in journals listed by the Higher Attestation Commission, dissertation research contained on the information portal of the Russian State Library, as well as publications in collections of conference materials were studied.

**Results and conclusions.** The expert-analytical assessment of the individual components of the selection system and the analysis of their mutual influence made it possible to formulate proposals for the formation of a system of selection and further support of sports gifted children, taking into account the continuity and consistency of sports training.

The technological feasibility of improving the selection system presupposes: the use of the achievements of modern functional diagnostic hardware and software systems; methodological support and practical application of model characteristics of young athletes preparedness in sports; introduction of scientifically based profiles of competitive exercises, providing for the possibility of differentiating control and transfer standards for retardants, mediants and accelerators; development of methodological recommendations on mechanisms and criteria for selecting gifted children in sports; distribution of functions of performers of each of the events in accordance with the level of organization of the performer, providing for the inclusion of these functions in the charter of performers; regulatory support.

**Keywords:** sports selection, sports orientation, sports gifted children, stages of sports training, formation of a system of sports orientation and selection.

**Introduction.** The relevance of a comprehensive analysis of the System is due to the task of increasing the efficiency of searching, selecting and supporting athletes at each stage of sports training, the corresponding direction and target indicators of the Strategy for the Development of Physical Culture and Sports in the Russian Federation until 2030 [2] and the Concept for the Development of Children's and Youth Sports in the Russian Federation. Federation until 2030 [1]. Given a sufficiently large array of scientific data on the structure, content and methods of the

System, this strategic task is mainly solved within the framework of implementing the requirements of federal standards of sports training for sports (hereinafter referred to as FSSP).

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Results of the study and discussion. Monitoring and analysis of the current state of regulatory legal acts and methodological materials in terms of methodological support and organization of work to identify, select and support gifted children in sports made it possible to identify a fairly large list of conceptual documents at the federal level and a long period of time during which the problems of the System are highlighted in them, which indicates great attention to it from the state. The list of methodological documents in the designated area is also quite extensive and contains both highly specialized and more general documents (the latter, as a rule, regulate other activities indirectly related to the problems of selection and support).

A survey of regional executive authorities in the field of physical culture and sports showed that the FSSP, by default, is the main, and in a number of regions, the only regulatory legal act regarding the organization of work to identify, select and support gifted children in sports.

An analysis of scientific and methodological literature containing pedagogical, medical-biological, biomechanical, psychological and instrumental aspects of approaches to the development of methods for selecting and further supporting gifted children in sports has shown that scientific interests in these aspects, as well as in sports, are distributed disproportionately.

The information and analytical materials obtained as a result of monitoring and analysis, as well as the qualitative PESTEL and SWOT analysis of the System, provided the basis for the development of technology for targeted search and selection of promising athletes to achieve high sports results, which includes a list of measures to identify individuals who are most corresponding to the model characteristics of the stage and purpose of the long-term training process,

as well as the methods of sports orientation and sports selection, depending on the tasks of the stage of training the sports reserve (hereinafter referred to as the Technology). Quantitative qualitative PESTEL and SWOT analysis of the System was not carried out due to the insufficient volume of relevant source data in open sources.

At the final stage of the work, a PESTEL analysis of the Technology was carried out again using 18 factors. Positive and negative scenarios of the influence of each factor were analyzed, as well as the expected actions of the System coordinator under positive and negative scenarios. The results of the SWOT analysis provide the basis for further development of a set of measures, in terms of quantitative parameters for the proposed items.

Proposals for the formation of a system of selection and further support of sports gifted children, taking into account the continuity and consistency of sports training, including the introduction of Technology, are as follows:

1. Justification, development and implementation of methodological and instrumental approaches using the achievements of modern science and technology, modern medical or functional diagnostic hardware and software systems.

2. In-depth study of the fundamental and theoretical aspects of the development of model characteristics of competitive activity, methodological support and practical application of model characteristics of preparedness for young athletes in sports, their use in selection, and in the future, their inclusion in the FSSP.

3. Justification, development and implementation of scientifically based profiles of competitive exercises and test profiles to assess the level of development of physical abilities. Adjustment of the FSSP in terms of introducing changes to the standards of general physical and special physical training for enrollment and transfer from stage to stage of the long-term educational and training process, in order to bring the structure and level of physical fitness of athletes into line with the model characteristics of competitive activity in the sport, providing for the possibility differentiation of control and transfer standards for retardants, mediants and accelerators.

4. Development of methodological recommendations on the mechanisms and criteria for selecting sports gifted children, including: 1) procedures for sports orientation and sports selection and responsible executors; 2) a set of criteria for assessing the



level of preparedness of an athlete at each stage of the long-term educational and training process, correlating with the model characteristics of the athlete at the corresponding stage in the sport.

5. Introduction of the Technology, distribution of functions of performers of each event in accordance with the level of the performing organization, as well as methods depending on the tasks of the sports reserve preparation stage, into the System, providing for the inclusion of these functions in the performers charter.

6. Development of a standard comprehensive structure of the regulatory, legal and methodological support of the System and recommendations for their adaptation, taking into account the traditions and capabilities of the region due to the different priorities of the task in the regions and, at the same time, the importance of this task for the country as a whole.

7. Addition of the FSSP with the section «Model program for sports orientation and selection by sport», establishing the Technology, taking into account the fact that they are the main document regulating the System.

**Conclusions.** Forecast assumptions about the development of the research object are that the system of selection and further support of sports gifted children, taking into account the continuity and consistency of sports training, will be regulated mainly by introducing changes and additions to the FSSP.

To develop the System, as well as ensure a sufficient number of sports reserves of sports teams of the Russian Federation, it is necessary to implement a set of measures that imply economic efficiency and

significance of the work, expressed in increasing the safety of the contingent at the stages of a long-term educational and training process while simultaneously reducing financial costs.

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