

# Assessment and Interpretation of Attacking Actions in Volleyball

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**Abstract:** The work experience of specialists on the issue of assessing technical and tactical skills in volleyball is summarized. The effectiveness of competitive activity is determined by individual indicators of technical and tactical activity of players, which bring effective actions of a team or an individual player. As a result of a theoretical analysis of the assessment of technical and tactical actions in volleyball, the coefficient of effectiveness of attacking actions was determined.

**Keywords:** components of technical and tactical activity, qualified volleyball players, evaluation of technical and tactical skills.

Objectivization of knowledge about the structure of the competitive activity of athletes, taking into account the peculiarities of the formation of sportsmanship, creates objective prerequisites for improving the management system of the training process and technical and tactical training in particular. In turn, the control of competitive activity requires, along with the registration of sports results (integral indicators), the registration of complexes of parameters that characterize the individual components of technical and tactical actions in individual elements of the game situation [10]. In volleyball, the most objective indicators of competitive activity control are the efficiency and effectiveness of technical and tactical actions of players and the team as a whole [3, 10]. These indicators, being quite informative, however, limit the idea of the real state and assessment of the technical and tactical skills of the team players. Therefore, in order to further improve the system of sports training and increase the effectiveness of the competitive activity of qualified volleyball players, it is necessary to search for new approaches and methods for assessing technical and tactical skills.

Criteria for evaluating technical and tactical actions in competitive activity are described in detail in the work of M.D. Ashibokov [2]. The author proposes the use of formulas for calculating the quantitative and qualitative indicators of all technical elements in volleyball, the calculation of the integral indicator of the effectiveness of the team's attacking actions and their comparison between teams of different qualifications. The assessment of certain parameters was carried out according to a rather simplified system of calculations, which did not take into account the full specifics of game actions.

M.E. Amalin [1] proposes to determine the influence of a separate tactical combination in an attack on the overall effectiveness of actions in an attack on the basis of mathematical processing of the results obtained during the competition.

Thus, at the present stage of volleyball development, there is a need for a more detailed approach to assessing the technical and tactical actions in the attack of highly skilled volleyball players, which, in our opinion, should include the effectiveness of technical and tactical actions in the attack, the efficiency of serves, as well as the coefficient of technical and tactical tactical actions in the conditions of competitive activity, which will allow coaches to use the results obtained to make adjustments to the process of preparing players.

The purpose of the work is to study the analysis and improvement of methods for assessing the technical and tactical skills of qualified volleyball players.

Research methods - analysis of special and scientific-methodical literature, pedagogical observation, analysis and generalization of the technical and tactical actions of volleyball players for the results of video filming, methods of mathematical statistics.

## Results of the study and their discussion.

The results of research by many scientists indicate the decisive importance of tactics in sports games [1, 4, 5, 10]. In sports games, team fighting tactics come to the fore. This provision also applies to volleyball,

where the main thing in attacking actions is to create opportunities for performing an attacking blow with a single block, a poorly organized block, or its absence [2, 3, 6,7]. However, you should pay attention to the fact that the points won in the game bring effective technical and tactical actions, serve and block. Therefore, we believe that in order to improve the quality of assessing the effectiveness of the competitive activity of highly qualified volleyball players, it is necessary to take into account these components of the attack, which in the future will become a factor in improving both the training process and competitive activity.

To study the assessment of the technical and tactical activities of highly qualified volleyball players, we conducted a pedagogical observation of the competitive activities of teams, which was carried out using video surveillance, followed by a generalized analysis of the games of the World Volleyball League 2010–2013, the World Championship 2010 and the Olympic Games 2012 ( a total of 60 games were analyzed). The following components of competitive activity were analyzed: quantitatively qualitative indicators of the use of group tactical formations (“wave”, “echelon”). To determine individual technical and tactical actions, combinations were registered that depend on the tactics of the second pass of the connecting player (“cross”, “zone”, “back”, “take-off”, “just”), the features of using a power serve in a jump (complicated serves brought to the connecting player, as well as the impact of innings on the organization of group actions in the attack by the opponent). In our studies, we sought to determine objective indicators that determine the level of preparedness of players to achieve high sports results. Taking into account the shortcomings of the existing methods of assessment in volleyball, we have developed a technology for a comprehensive attack assessment with subsequent interpretation of the characteristics of the competitive activity components. We believe that in the calculation it is necessary to take into account only successfully organized combinations that have reached the goal. It is also necessary to pay attention to the use of strikers from high gears in teams of different qualifications, which are not tactical in nature and are performed, as a rule, on a triple block. Thus, the indicated method for evaluating the effectiveness of technical and tactical actions in an attack reflects the game statistics of the game of highly qualified volleyball players.

The main trends in the development of modern volleyball indicate the use to a large extent of a power serve in a jump, which, thanks to the accuracy and high speed of the ball, has turned into a fairly powerful and effective means of attack from the depth of the court, with which you can either win a point or destroy the opponent’s combination game. . Analysis of the effectiveness of the competitive activity of the players of the world’s leading teams showed that in terms of the effectiveness of attacking actions, the greatest value belongs to the volleyball players of the National Team of Brazil - 55%, the lowest value belongs to the players of the Serbian national team - 46.4%. The average value for this indicator in the group of highly qualified volleyball players of the world is 50.3%. The results of determining the efficiency indicator of the use of a power serve in a jump indicate that the highest value for this component belongs to the volleyball players of the Russian national team with an indicator of 25.1%, the lowest value also belongs to

Serbian national team with a score of 19.1%. The average value of the effectiveness of the use of this component of the competitive activity of the world’s leading volleyball players is 22.2%. The results of the study indicate a fairly high level of the coefficient of technical and tactical actions in the attack of the teams that are the finalists of the 2012 Olympic Games and the World League 2013 (teams of Russia, Brazil, Italy), where the greatest contribution to the overall team result is made by the actual attacking blows using group tactical combinations and make up with a total success rate of 75.7–77.5%. Teams that occupy the last places in the world ranking table (teams of Serbia, Egypt) have rather low rates (65.5-69%), which is a consequence of the poor quality of the power delivery in the jump, as well as the low efficiency of the attacking actions of volleyball players high class.

### **Conclusion.**

The proposed methodology for assessing the effectiveness of technical tactical actions of high-class volleyball players in conditions competitive activity makes it possible on an objective basis evaluate and compare the quality of technical and tactical readiness players of both the same team (at different stages of preparation), and different commands when performing collective tactics. Prospects for further research will focus on analysis of technical and tactical actions of volleyball players with further development of individual models of volleyball players in depending on their game role.

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