

Methodology for the Creation of an Innovative Scientific and Technical Reserve in the Rocket and Space Industry

V. Yu. Klyushnikov, *Dr. Sci. (Engineering), Senior Researcher, klyushnikovvy@tsnimash.ru*
Central Research Institute for Machine Building (FGUP TSNIIMASH), Moscow, Russian Federation

A. A. Romanov, *Dr. Sci. (Engineering), Prof., romanov@spacecorp.ru*
Joint Stock Company "Russian Space Systems", Moscow, Russian Federation

A. E. Tyulin, *Dr. Sci. (Econ.), contact@spacecorp.ru*
Joint Stock Company "Russian Space Systems", Moscow, Russian Federation

Abstract. The paper analyzes the problem of creating an innovative scientific and technical reserve (STR) in the rocket and space industry. A general methodological approach to the creation of STR is proposed. The main provisions of the STR establishment methodology are formulated. At the same time, innovative uncertainty and some limitations are taken into account. Restrictions are due to the structure of technological way of life in the economy, the phase of the cycle of economic conjuncture and the general laws of the development of technical systems.

Keywords: innovative scientific and technical reserve, rocket and space industry, innovative restrictions, technological way of life, general laws of the development of technical systems