

Process' Formalization of Collecting Information on Innovative Research

S.E. Pankov¹, JSC Concern Sozvezdie, PhD, Senior Researcher, s.e.pankov@sozvezdie.su

V.L. Lyaskovskiy², JSC Scientific Research Institute of Information Technologies, Prof. Dr., dop_big@mail.ru

S.S. Smirnov³, JSC Concern Sozvezdie, Assoc. Prof. PhD, s.s.smirnov@sozvezdie.su

¹ First Deputy General Director, Voronezh, Russia

² Chief Researcher, Tver, Russia

³ Project Manager, Voronezh, Russia

Citation: Pankov S.E., Lyaskovskiy V.L., Smirnov S.S. Process' Formalization of Collecting Information on Innovative Research, *Kompetentnost' / Competency (Russia)*, 2022, no. 3, pp. 4–9. DOI: 10.24412/1993-8780-2022-3-04-09

key words

expert assessment, results of innovative research, generation of proposals, universal questionnaire

We have developed and recommend a procedure for searching, selecting, evaluating the results of innovative research that has a high potential for application in the defense sector using universal questionnaires that include information about the innovation received, customer organizations, the company performing the work, as well as predictive information about the expected effect from the introduction of innovation into the production of high-tech and non-traditional models of equipment. When compiling a list of works necessary to confirm the value of an innovation, one should indicate the type, timing and cost of these works, as well as the expected effects from its introduction into production. When forming expert groups to assess the results of innovations, we recommend the methodology of expert assessment, taking into account the level of competence of the involved specialists. The application of the proposed methodology will improve the quality and validity of decisions made by state and military authorities on the advisability of using the results of innovative research in the creation of equipment's promising high-tech models.

References

1. Lyaskovskiy V.L., Pankov S.E., Stukalin S.V. Postanovka zadachi poiska, tekhniko-ekonomicheskoy otsenki i obosnovaniya prioritnogo perechnya innovatsiy s tsel'yu ikh vnedreniya v obraztsy vooruzheniya [Statement of the problem of search, feasibility study and justification of the innovations priority list for the purpose of their implementation in weapons], *Izvestiya Rossiyskoy akademii raketnykh i artilleriyskikh nauk*, 2020, no. 2(112), pp. 72–75.
2. Pankov S.E., Smirnov S.S., Lyaskovskiy V.L., Stukalin S.V. Kontseptual'nye osnovy tekhniko-ekonomicheskoy otsenki i vnedreniya innovatsionnykh razrabotok v obraztsy perspektivnogo vooruzheniya [Conceptual foundations for the technical and economic assessment and implementation of innovative developments in models of advanced weapons], *Vooruzhenie i ekonomika*, 2020, no. 4(54), pp. 47–53.
3. Burenok V.M. Tekhnologicheskie i tekhnicheskoe osnovy razvitiya vooruzheniya i voennoy tekhniki [Technological and technical foundations for the development of weapons and military equipment], Moscow, *Granitsa*, 2010, 216 P.
4. Smirnov S.S., Reulov R.V., Stukalin S.V. Mekhanizmy adaptatsii tekhnicheskikh resheniy k trebovaniyam Minoborony Rossii [Mechanisms for adapting technical solutions to the requirements of the Russian Ministry of Defense], *Kompetentnost'*, 2018, no. 3(154), pp. 7–15.
5. Pankov S.E., Smirnov S.S., Nesterov D.V. Metodika provedeniya ekspertizy initsiativnykh rabot na predmet aktual'nosti i tselesoobraznosti postanovki dlya Minoborony Rossii [The methodology for conducting an examination of initiative work for the relevance and expediency of setting for the Russian Ministry of Defense], *Izvestiya Rossiyskoy akademii raketnykh i artilleriyskikh nauk*, 2021, no. 4(119), pp. 14–21.
6. Order of the RF Minister of Defense of 31.01.2020 N 35 On approval of criteria for classifying goods, works, services as innovative products and (or) high-tech products for the purposes of forming a procurement plan for such products.
7. Lyaskovskiy V.L., Smirnov S.S., Pronin A.Yu. Metodika otsenki kompetentnosti ekspertov v protsesse formirovaniya predlozheniy v proekty programnykh dokumentov [Methodology for assessing the competence of experts in the process of forming proposals for draft policy documents], *Vooruzhenie i ekonomika*, 2013, no. 3(24), pp. 54–59.
8. Lyaskovskiy V.L., Smirnov S.S., Pronin A.Yu. Vyborekspertov dlya otsenki proektov programnykh dokumentov [Selection of experts for the evaluation of draft policy documents], *Vooruzhenie i ekonomika*, 2017, no. 4(145), pp. 4–9.
9. Lyaskovskiy V.L., Sarkisyan D.A. Metod formirovaniya ekspertnykh grupp dlya otsenki predlozheniy po provedeniyu FPPI [Expert groups formation method to evaluate proposals for FPER], *Kompetentnost' / Competency (Russia)*, 2020, no. 3, pp. 4–9.
10. Lyaskovskiy V.L., Sarkisyan D.A. Metodika sbora, otsenki i vybora innovatsiy: perspektivy realizatsii [Methodology for collecting, evaluating and selecting innovations: implementation perspective], *Kompetentnost' / Competency (Russia)*, 2020, no. 8, pp. 6–11.