

# Integral Criterion of the Project's Effectiveness in an Automotive Component Production Preparing

S.V. Kas'yanov<sup>1</sup>, Naberezhnye Chelny Institute of Kazan Federal University, Cand. Sc. (Tech.), SVKasyanov@kpfu.ru  
R.K. Nabieva<sup>2</sup>, Naberezhnye Chelny Institute of Kazan Federal University, regina.nabieva@list.ru

<sup>1</sup> Associate Professor of Department, Naberezhnye Chelny, Republic of Tatarstan, Russia

<sup>2</sup> 2nd Year Master's Degree, Naberezhnye Chelny, Republic of Tatarstan, Russia

**Citation:** Kas'yanov S.V., Nabieva R.K. Integral Criterion of the Project's Effectiveness in an Automotive Component Production Preparing, *Kompetentnost' / Competency (Russia)*, 2022, no. 2, pp. 18–22. DOI: 10.24412/1993-8780-2022-2-18-22

## key words

profitability, new product's release, conditional economic effect, prevention of profitability loss, project management, information support

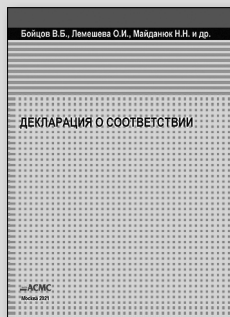
We believe that in a market economy, the development prospects of a car company are determined by the ability to launch APQP projects to prepare for the production of new components. At the same time, the enterprise assumes all responsibility for planning sales volumes, forecasting price changes. Many managers react only to the facts of losses detection and seek to eliminate them promptly. However, losses are the result of errors in the production preparation. The more they are allowed, the higher the probability of non-conformities appearing soon after the start of deliveries. As an integrated performance indicator of the production system of the APQP project, we propose to use the degree (coefficient) of its profitability. No stage of production, supply and service should lead to the loss of planned income. The closer the value of the coefficient to 1, the more effective the implementation of the project, the higher the effectiveness of project management. This is especially important for enterprises that do not have financial assistance from the state.

## References

1. GOST 14.001–73 ESTPP. General provisions.
2. Kas'yanov S.V., Grechishnikov V.A., Yurasova O.I., Romanov V.B. Povyshenie konkurentosposobnosti predpriyatiya na stadii podgotovki proizvodstva avtokomponentov [Improving the competitiveness of enterprises at the stage of preparation of production of automotive components], *Vestnik MGTU STANKIN*, 2016, no. 2(37), pp. 128–131.
3. Latenko V.A., Rodionov, B.N. Organizatsiya, planirovaniye i upravleniye mashinostroitel'nym predpriyatiem. Chast' 2. Vnutrizavodskoe planirovaniye [Organization, planning and management of machine-building enterprise], Moscow, *Vysshaya shkola*, 1979, 232 P.
4. GOST R 51814.6–2005 Quality management systems in the automotive industry. Quality management in the planning, development and preparation of production of automotive components.

## НОВАЯ КНИГА

**Бойцов В.Б., Лемешева О.И., Майданюк Н.Н., Маркелова В.Н., Молокова А.В., Павлов В.Е., Понкратова Е.Ю., Савицкая А.О., Соколовская С.Л.**



## Декларация о соответствии

Монография / Под научной ред. Г.В. Панкиной. Изд. 2-е, перераб. и доп. — М.: АСМС, 2021

Приводится история развития и применения декларации о соответствии. Монография рассчитана на специалистов, занимающихся вопросами сертификации и испытаний на предприятиях промышленности различных форм собственности. Издание будет полезно преподавателям, аспирантам и студентам вузов, специализирующимся в области сертификации.

Отдавая дань уважения научному редактору первого издания монографии Г.В. Панкиной, коллектив авторов сохранил запись о научном руководителе и в переработанном издании монографии.

**По вопросам приобретения обращайтесь по адресу:** Академия стандартизации, метрологии и сертификации (АСМС), 109443, Москва, Волгоградский пр-т, 90, корп. 1. Тел. / факс: 8 (499) 742 4643. Факс: 8 (499) 742 5241. E-mail: info@asms.ru