

# METHOD OF ASSESSING THE QUALITY OF PRODUCTION PROCESSES AND MOUNTING OF TECHNICAL SYSTEMS CONSIDERING LATENT CONSUMER

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The paper deals with the problem of assessing the quality of production processes and mounting of technical systems considering the presence of latent consumer. Procedures of assessing the quality of life cycle processes are specified. Tools for analyzing requirements from the standpoint of the process owner are formed.

*Quality management, technical system, consumer, satisfaction assessment*

## References

1. Subetto, A. I. Qualimetry. – Saint Petersburg: Publishing house “Asterion”, 2002. – 288 pp.
2. Subetto, A. I. Methods of assessing the quality of designs and performances. Testing of technical systems. Saint Petersburg: Asteria, 2003 – 204 pp.
3. Zorin, Yu. V., Yarygin, V. T. Systems of quality and process management. – Samara: Samara, 1997. – 156 pp.
4. Azgaldov, G. G., Azgaldova, A. A. Quantitative quality assessment (qualimetry). Bibliography. – Moscow: Standards publishing house, 1971. – 175 pp.
5. GOST (State Standard) P. 50779.44-2001. Indicators of Process Possibilities. Basic methods of calculation. – Moscow: Standards publishing house, 2001 – 25 pp.
6. Fedyunin, V. K., Durnev, V. D., Lebedev, V. G. Methods of assessing and managing the quality of manufactured goods: Manual. 2nd revised edition. – Moscow: Information-and-publishing house “Filin”, Rilant, 2001 – 328 pp.
7. Statistical methods of improving quality / Edited by Khitosi Kume. – Moscow: Finances and Statistics, 1990 – 325 pp.
8. Svetun'kov, S. G. Methods of marketing analysis: Teaching aid – Saint Petersburg: 2003 – 352 pp.
9. Hill, N., Self, B., Rochet, G. Measuring consumer's satisfaction according to ISO standard 9000:2000. – Moscow: Publishing house “Tekhnologii” (Technologies), 2004. – 192 pp.
10. Yefimov, V. V. The function of part quality losses in assembly // Methods of quality management. 2003 – No. 11 – pp. 42-47.

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