

The integrated index of business standardization - Research and Development

Vidosav D. MAJSTOROVIC, Abuajila M. S RAWENI, Nuri Mohamed Saad ALGHERIANI

University of Belgrade, Faculty of Mechanical Engineering, Belgrade University, Belgrade, Serbia;

Abstract

Business standardization developed intensely in the second decade of the 21st century. In the end 2014 (31st of December) there were: (i) 1609294 certificates to ISO 9001, 13485, 14001, 16949, 22000, 27001, 50001 and 22301 in the world, whereby 1138155 certificates were to ISO 9001, and 324148 were to ISO 14001. Total number of standardized management systems (SMS) that is being followed by a certificate is eight and the last to be monitored is ISO 22301 Business Continuity Management. Our research in this paper refers to the definition and determination of the index of business standardization. This parameter can be determined for one or more SMS, at the level of the world, continent, region or country are. This is a qualitative analysis of the application of SMS. This index has three elements, namely: (a) number of certificates per thousand inhabitants, (b) number of certificates contribution to "creating" hundreds of thousands of euros GNP, and (c) number of certificates per GNP inhabitants. Finally the integrated index of business standardization (IIBS) is multiplication of these parameters. The paper presents an analysis of this index of the World and EU.

Keywords: Business Standardization, Index, analysis

References:

- [1]. MAJSTOROVIC, V., et al. ISO 9001: 2015-An Example of Application in Serbia, ASIGURAREA CALITĂȚII - QUALITY ASSURANCE (2015).
- [2] http://www.aimglobal.org/?page=ISO_standards (Accessed June 2016).
- [3] http://www.iso.org/iso/private_standards.pdf (Accessed June 2016).
- [4] [\http://www.iso.org/iso/home/standards/certification/isosurvey.htm?certificate=ISO%209001&countrycode=AF (Accessed February 2016).
- [5] Fiorezo franschini new research. A new forecasting model for the diffusion of ISO 9000 standard certifications in European countries, Emerald Insight, Volume 21, 32-50.
- [6] <http://file:///C:/Users/win10/Downloads/SSRN-id2134575.pdf> (Accessed June 2016).
- [7] Sampaio P., A CASE STUDY APPROACH TO THE ECONOMIC EVALUATION OF ISO 9001 CERTIFICATION, International Journal of Quality & Reliability Management, Vol. 28 Iss: 9, pp. 929- 950.
- [8] Sampaio P., ISO 9001 certification research: question, answers and approaches, Emerald Insight, Volume 26 Nov 1, 2009, pp 38-58.
- [9] www.iso.org. (Accessed June 2016).
- [10] <http://statisticstimes.com/economy/european-countries-by-gdp.php> (Accessed June 2016).