

V. V. Koval, V. P. Lysenko, N. F. Kazakova, O. V. Samkov, V. I. Vakas, Yu.V. Pilipenko, O. L. Osinsky<u>. Multi-channel automated synchronous signals quality control system based on IP technologies</u>. The National University of Bioresources and Nature Management of Ukraine, Institute of Electrodynamics of the National Academy of Sciences of Ukraine, Kyiv, Scientific Center of NUBiPU, 2022. – 382 p. (23.8). – 300 s. – ISBN 978-617-8102-53-1.

The monograph presents the basics of the theory and practice of automating synchronous signal control processes using IP technologies from a modern scientific perspective. The results of theoretical studies of the formation and control processes of hightech systems' synchronisation signals are presented. The principles of creation, practical

implementation and technical operation of synchronous signal quality control systems are considered. The results of the development and experimental studies of synchronisation and control systems used in the production, supply, and use of electrical energy and mobile communication networks are presented. The monograph is the result of research work carried out with state funding.

The publication is intended for researchers engaged in the research and development of automated control systems, a wide range of engineering and technical personnel in the field of design and operation of power grids, information and communication facilities, and synchronisation systems, and will also be helpful for teachers, postgraduates, undergraduates, and students of relevant specialities.