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## Methodology for comprehensive assessment of the quality of banking services

In work on the basis of the synthesis of the SERVQUAL methodology with calculations of integral indices of the correspondence of the quality content to customer requests, a generalized indicator of the quality of banking services, tools of correlation and regression analysis methods, a multi-channel queuing system, a comprehensive methodology for assessing the quality of banking services was developed. As the economy of Kazakhstan develops, the relevance of problems related to the quality of service in banks in a competitive environment is growing. The organization of the Bank's activities raises the issue of developing a system of measures to assess and manage the quality of banking services, which will allow the bank to flexibly maneuver with available information, material and financial resources in solving strategic and tactical tasks. Quality is now quite new from a scientific point of view, the object of management. Together with this, the modern representation of the concept of quality, its parameters does not meet the requirements of the market. This necessitates the scientific comprehension and practical development of new effective forms and methods, the formation of methodological approaches in assessing the quality of banking services through an appropriate quantitative toolkit. The search for forms and methods of effective functioning of domestic banks is an urgent problem in which quality issues occupy one of the leading positions. These facts make it possible to relate the given problem to the number of the most relevant in modern science.

*Keywords:* banks, quality, price, services, quality assessment, quality of banking services, methodology, coefficient.

The complexity and multidimensional nature of problems of assessing the quality of banking services is due to a wide range of issues related to the insufficient development of organizational and methodological instruments in commercial banks.

To cover at length the research topic, much attention is paid to the scientific approaches developed by E. Deming [1], Ch. Gronroos [2], Y. Lee [3], G.H.G. McDougall [4].

The necessary quality measuring indicator of banking services is the desired, necessary, and possible level of service quality taking into account the specific waitings and requirements of customers.

The quality management of banking services is a type of activity aimed at meeting the requirements and expectations of consumers set for the quality of banking services. It depends on the degree of interaction and optimality of internal relations [5]. Therefore, it will be true that in the case of determining the opinions of customers on the quality of the services provided by a bank, it is possible to adjust internal communications in the best possible way. Then the main task of setting up the management system and internal interaction is to build its quantitative assessment, adequately reflecting the assessment of the quality of banking services in a dynamic external environment.

When considering the parameters of the quality of banking services, it should be considered that they are not exclusively additive by nature. Factors determining quality can be independently additive, but also represent a multiplicative effect on other criteria or their parameters, enhancing or weakening their positive or negative impact.

To access the quality of banking services, it seems advisable to use a system of indicators or a comprehensive assessment of the quality of banking services, which is based on the principle of quantitative assessment, which gives a fair presentation of the quality level of the management object. The algorithm of its implementation can be presented in scheme (Fig. 1).

The primary information for assessing the quality of banking services to the needs of consumers according to the methodology includes the survey interview data on two consumer groups: legal entities and individuals serviced in the bank under investigation. Questionnaires are compiled in accordance with the principles of the SERVQUAL methodology (Fig. 2).

Based on the proposed five-dimension model, according to the SERVQUAL methodology, it turns out that: the first dimension is the gap between the consumer's expectation about the quality of the banking service and the reaction of the bank's management to these expectations; the second dimension is the gap between the management's understanding of the customer's expectations and the process of implementing the quality system in its bank; the third dimension - the gap between the quality system introduced by the bank's

management and the unpreparedness of the bank's personnel to follow established standards; the fourth dimension is the gap between the existing quality system in the bank and the inflated advertising of this quality system in the media; and, finally, the fifth, the most important, dimension is the gap between the expectations of consumers of the banking service and the process by which the bank provides this service.

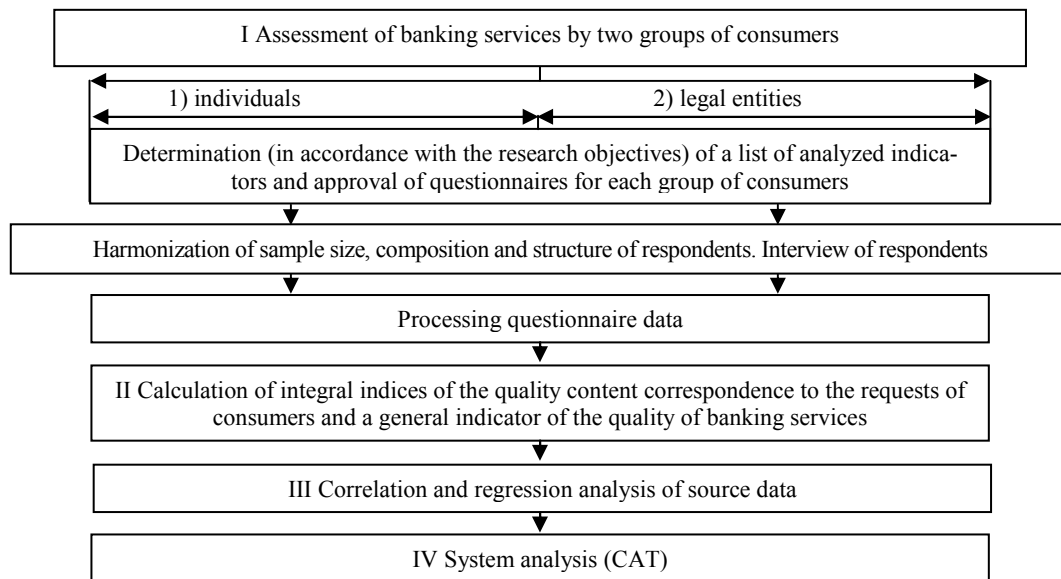


Figure 1. Algorithm-scheme of a methodology for a comprehensive assessment of the quality of banking services (prepared by authors)

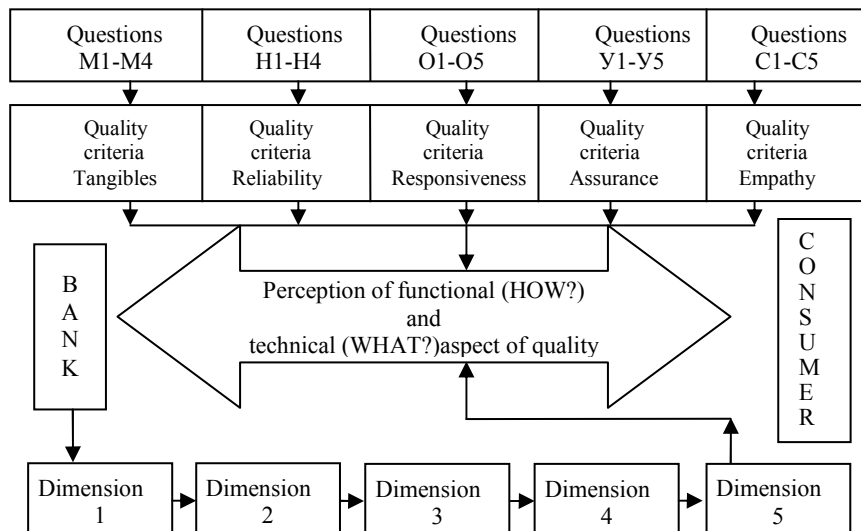


Figure 2. Conceptualisation of service quality and evaluation criteria [7]

The conducted research of the consumer behaviour of the banking industry showed that clients mainly assess the functional and technical aspects of the quality of banking services in accordance with the five main criteria specified in Table 1.

The processing of the questionnaire data consists in calculating the indicator (score) of expectation, perception and importance, as well as the quality factor as a difference in perceptions and expectations for each indicator [6].

Evaluation of the SERVQUAL methodology applied to the sphere of banking services within the framework of research has proved its effectiveness by revealing the most bottlenecks in the bank's activity. Based on the results obtained, the relative picture of quality in the bank under investigation and the most problematic quality characteristics are determined. Therefore, for a more in-depth analysis of problem areas, it seems necessary to conduct a comprehensive assessment of the quality of banking services.

**Measurements of the quality of services in accordance with the principles of the SERVQUAL methodology [8]**

| No | Criteria       | Brief description of measurement  |
|----|----------------|---|
| 1  | Tangibles      | The appearance of physical facilities, equipment, personnel and communication materials   |
| 2  | Reliability    | The ability to perform the promised service dependably and accurately   |
| 3  | Responsiveness | The willingness to help customers and to provide prompt service   |
| 4  | Assurance      | The knowledge and courtesy of employees and their ability to convey trust and confidence. Service security  |
| 5  | Empathy        | Accessibility (physical and psychological contact with personnel should be easy and pleasant), communicativeness (the firm communicates services to consumers in a language they are able to understand), understanding (the willingness to better understand the individual needs of the customer and adapt to them) |

Based on the values of parametric indicators of the quality of banking services, a general (complex) and integral (characterizing the quality conformance from the position of one of the groups of consumers) indicator is determined in the following sequence:

1. The weighting (importance by qualitative parameters) is calculated, according to the formula

$$Q = \frac{P_i}{E_i},$$

where,  $P_i$ ,  $E_i$  is the consumer perception and expectation of quality according to the  $i$  criterion.

2. The weighting / importance of each parameter is determined by the formula

$$K_i = \frac{I_i}{\sum_{i=1}^N I_i},$$

where,  $I_i$  is the consumer estimate of the importance of the  $i$  criterion of service quality.

3. Based on the results of the indicators obtained, the integral index is determined, based on the opinion of the respondents, according to the formula

$$j = \sum_{i=1}^N q_i K_i,$$

where  $q_j$  is the integral quality index of a banking service calculated based on the interview results of the  $j$  consumer group;  $q_i$  is the special service quality index by the  $i$  criterion;  $K_i$  is the index of importance of the  $i$  criterion of quality.

4. For a more objective assessment, taking into account the opinion of all groups of respondents, the average integral indicator of the quality of banking services is calculated for all variants of the assessments:

$$Q = \frac{\sum_{i=1}^5 Q_j}{5}.$$

5. To obtain a general index on qualitative parameter on the basis of the integral indicators obtained, we use the formula

$$Q = \sqrt{Q_{ind} \cdot Q_{le}},$$

where,  $Q$  is the general index of the conformity of the content and quality of banking services;  $Q_{ind}$ ,  $Q_{le}$  are the integral indices of the conformity of the content and quality of banking services, respectively, calculated by the results of individuals and legal entities interview.

The calculated values of the integral and general index, determine the level of satisfaction of the bank's customers, and the possibility of applying the indicator to develop recommendations for improving the quality of banking services.

Further, on the basis of the results of the questionnaire on the two groups of respondents, the values of the general and integral indicators of the quality of services are determined.

By reason of its general sense the quality indicator reflects the difference between the expected service and delivered service per unit of perception from the result of the consumption of banking services on quality parameters. Accordingly, the level of respondents' satisfaction with the five quality criteria is estimated according to Table 2.

Table 2

**Evaluation of the quality of banking services compliance with the requirements of consumers [9]**

| Quality Index Range | Grades of assessing the quality of banking services |
|---------------------|---|
| From 0,80 to 1,00   | Normal  |
| From 0,60 to 0,79   | Satisfactory  |
| Less than 0,59      | Critical  |

The result of further research is a detailed assessment of each of the factors (parameters) impact of the five main criteria for the quality of banking services on the level of the performance indicator. In this connection, the probability theory methods and mathematical statistics are used, which allow us to discover regularities hidden among randomness. Data processing has been performed using the «Correlation and Regression Analysis» standard program.

«Modelling on the basis of regression equations can be reduced either to the construction of one equation with the inclusion of a large number of factor characteristics, or to the construction of a system of equations. In the latter case, a system of statistically unrelated equations is obtained; however, the entire system is connected by a single chain of cause-effect relationships» [10].

In the research, a general question can be used as an outcome, for example: «How, in general, do you evaluate the quality of service?» Factor characteristics are twenty-two indicators within the five quality criteria/dimensions in the framework of the SERVQUAL methodology.

After selecting the effective and factor attributes, the preconditions for the multicollinearity phenomenon occurrence are checked. This phenomenon often represents a perceptible threat to the correct identification and effective evaluation of interrelations [10].

For this, it is advisable to use a method based on the analysis of paired correlation coefficients, which indicate estimates of the constraint equations accuracy (reliability) and the validity of their application.

The analysis of the obtained correlation coefficients calculated for factor indices within the framework of five quality criteria indicates the presence or absence of collinear factor indices.

It is believed that the two indicators are collinear if the pair correlation coefficient is not less than 0.8 [11].

After selecting and determining the most influential factors for the effective indicator of service quality, their communication form, the analysis of the initial statistical information, it is necessary to proceed to multi-step regression analysis based on the elimination of nonessential factors according to the Student's t-test (t-statistics). By this criterion, the hypothesis is tested whether the regression coefficient  $\alpha_j$  is significantly different from zero for some given level of significance  $\epsilon$ , which shows the probability of rejecting the correct hypothesis.

The result of multi-step regression analysis in the construction of a model for assessing the quality of banking services is the elimination of statistically insignificant factor indicators of the multiple regression equation.

The coefficients of the linear multiple regression equation ( $b_i$ ) show the degree of influence of the factor  $X_i$  on the analyzed indicator  $Y$  (with the fixed at a constant level influence of other factors included in the model and the average level of influence of unaccounted factors). The regression coefficient, interpreted in this way, is used in economic statistical analysis as an average estimate of the effectiveness of the  $i$  factor-argument on the function.

A direct comparison of the regression coefficients in the multiple regression equation shows the degree of influence of the factor characteristics on the performance indicator only when they are expressed in the same units and have approximately the same variability. For this purpose, it is proposed to use a whole system of indicators: average frequency coefficients of elasticity, beta coefficients and delta coefficients [10; 87].

The research has used the average partial coefficient of elasticity ( $E_i$ ), which allows the measurement in percentage terms of changed effective indicator with an increase in each factor by the same relative value - by 1 %. This interpretation is very convenient and understandable for every economist.

Thus, it is possible to identify the main exposures affecting the effectiveness of quality management of banking services in the bank under investigation. They should be focused on first.

It should be noted that the model makes it possible to establish only the level of the phenomena under study corresponding to the chosen factors. But since it is practically difficult to allocate all the factors that affect the quality of banking services, the deviations of the actual values of the analyzed indicators from the calculated ones can be explained by the action of unaccounted factors. Including more factors in the model significantly increases its adequacy.

The system, as an economic entity, is predominantly of productive function to make profit. Proceeding from this, let's consider the efficiency of credit departments on servicing the bank's individuals and legal entities, whose purpose is to conclude the maximum possible number of loan agreements.

Economic and mathematical models should be used to determine the servicing process, the optimal allocation of working hours in the bank's credit management. Unsatisfactory assessments of some quality parameters identified on the basis of the survey, allow proceeding to a quantitative assessment of the system analysis.

The bank is a system, since it is a collection of elements (subsystems) that are in relationships and connections with each other and form a certain integrity (unity). Under these conditions, the elements (for example, the bank's credit department) themselves can be considered as systems, and the system under study - as an element of a more complex system - the bank.

The system of credit departments is intended for a reusable use when solving similar tasks with arising service processes, and this means that this system is queuing system (QS) [7].

To classify the QS, the service discipline is important that determines the order of selecting applications from among those received and the order of distributing them among free channels. On this basis the application can be serviced under the «first came - first served» principle.

The queueing process described by this model is characterized by the intensity of the incoming flow  $\lambda$ , and at the same time no more than  $n$  customers (applications) can be served. The average service time of one application equals  $\frac{1}{\mu}$ . The incoming and outgoing flows are Poisson. The operation mode of a given service channel does not affect the operation mode of other service channels of the system, and the service procedure duration for each of the channels is a random variable subject to the exponential distribution law.

The purpose of the mathematical description of the bank's credit departments as a queuing system is to construct a mathematical model linking the given working conditions of the QS (the capacity of the service canal, the nature of the applications flow, etc.) to the operating performance indicators of the QS describing its ability to cope with the flow of applications.

The multichannel QS, describing credit departments of the bank, can be in one of an infinite number of states:

$S_0$  — the channel is free (therefore, there is no queue);

$S_1$  — the channel is busy and there is no queue, i.e. (one application is serviced in the QS);

$S_2$  — the channel is busy, one application is in the queue;

....

$S_k$  — the channel is busy,  $k-1$  application is in the queue.

...

The marked state graph of this system can be represented as follows (Fig. 3):

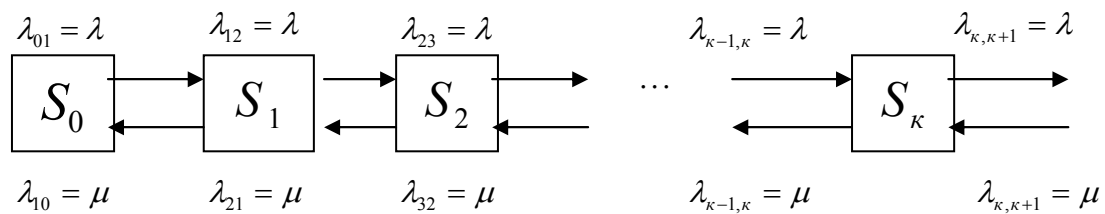


Figure 3. Graph of multi-channel QS states [7]

The incoming flow of applications and the application service flow - the simplest flows that have the properties of ordinarity (the occurring probability for an elementary (small) time interval  $\Delta t$  of more than one event is negligible compared to the occurring probability during this interval of one event); absence of consequences (events in the flow appear at successive time instants independently of each other); stationarity (probabilistic characteristics do not depend on time).

If the flow simultaneously has the properties of stationarity, ordinarity and absence of consequences, then such a flow is called the simplest (or Poisson) flow of events. The mathematical description of the effect of such a flow on systems is the simplest. Therefore, in particular, the simplest flow plays a special role among other existing flows.

The QS transitions from state to state from left to right arrows (the receipt from the customers of speed servicing requirements) occur under the influence of the same incoming flow of applications with intensity  $\lambda$ . Therefore, the density of transition probabilities:

$$\lambda_{k-1,k} = \lambda, \quad k = 1, 2, \dots$$

The QS transitions from state to states from left to right arrows (applications are serviced by the managers of the bank's credit departments) are awaited by the flow of services with the intensity  $\mu$ .

$$\lambda_{k,k-1} = \mu, \quad k = 1, 2, \dots$$

Fulfilling the inequality  $\lambda \geq \mu$  (the intensity of receipt from customers of the speed servicing requirements  $\geq$  of the intensity of application serviced by managers of bank's credit departments) means that the intensity  $\lambda$  equal to the average number of applications received in the system per unit time is not less than the intensity  $\mu$  equal to the average number of applications serviced for the same time with continuously operating channel, it is obvious that the queue is growing.

Where  $\lambda < \mu$ , i.e. when loading on the system  $\rho = (\lambda/\mu) < 1$  means that the limiting mode of customer service and the limiting probabilities of states exist.

Considering a certain time interval  $\tau$ , the probability of a random event occurring in this interval  $p$ , and the total number of possible events  $n$ , with the ordinarity property of event flow, the probability  $p$  will be a sufficiently small value, and  $n$  is a sufficiently large number, since mass phenomena are considered. Under these conditions, to calculate the occurring probability of a certain number of events  $m$  on a time interval  $\tau$ , the Poisson formula can be used.

$$P_{m,n} = \frac{a^m}{m!} e^{-a}, \quad (m = \overline{0, n}),$$

where  $a = np$  is the average number of events falling on a time interval that can be determined through the intensity of the event flows  $\lambda$  as follows:

$$a = \lambda \tau$$

The dimension of the flow intensity  $\lambda$  is the average number of events per unit time. Between  $n$  and  $\lambda$ ,  $p$  and  $\tau$  there is the following relationship:

$$n = \lambda t; \quad p = \frac{\tau}{t},$$

where  $t$  is the entire time interval at which the effect of the event flow is considered.

It is necessary to determine the distribution of the time interval  $T$  between events in such a flow. Since this is a random variable, we find its distribution function. As it is known from the probability theory, the integral distribution function  $F(t)$  is the probability that the value  $T$  will be less than the time  $t$ .

$$F(t) = P(T < t).$$

By condition, no events should occur during the time  $T$ , and at least one event should occur on the time interval  $t$ . This probability is calculated using the probability of the opposite event in the time interval  $(0; t)$ , where no events have occurred, i.e.  $m = 0$ , then

$$F(t) = 1 - P_0 = 1 - \frac{a^0}{0!} e^{-a} = 1 - e^{-\lambda t}, t \geq 0.$$

For small  $\Delta t$ , it is possible to obtain an approximate formula, obtained by replacing a function  $e^{-\lambda \cdot t}$ , with only two expansion terms in a series in powers of  $\Delta t$ , then the occurring probability on a small time interval  $\Delta t$  of at least one event is:

$$P(T < \Delta t) = 1 - e^{-\lambda \Delta t} \approx 1 - \left[ 1 - \lambda \Delta t + \frac{1}{2} (\lambda \Delta t)^2 - \frac{1}{6} (\lambda \Delta t)^3 \right] \approx \lambda \Delta t.$$

The density of distributing the time interval between two successive events is obtained by differentiating  $F(t)$  with respect to time.

$$f(t) = \lambda e^{-\lambda t}, t \geq 0.$$

Using the obtained distribution density function, it is possible to obtain numerical characteristics of the random variable  $T$ : mathematical expectation  $M(T)$ , dispersion  $D(T)$  and mean-square deviation  $\sigma(T)$ .

$$M(t) = \lambda \int_0^{\infty} t \cdot e^{-\lambda t} \cdot dt = \frac{1}{\lambda}; \quad D(t) = \frac{1}{\lambda^2}; \quad \sigma(T) = \frac{1}{\lambda}.$$

From here it follows that: the average time interval  $T$  between any two neighboring events in the simplest flow is on average equal to  $\frac{1}{\lambda}$  and its mean-square deviation is also equal to  $\frac{1}{\lambda}$ , where  $\lambda$  is the flow intensity, i.e. the average number of events occurring per unit time. The random variable distribution law possessing such properties  $M(T) = T$  is called exponential, and the value  $\lambda$  is a parameter of this exponential law. Thus, for the simplest flow, the mathematical expectation of the time interval between neighboring events is equal to its mean-square deviation.

In this case, the probability that the number of applications to be serviced for a period of time  $t$  to be  $k$  is determined according to Poisson's law:

$$P(t) = \frac{(\lambda t)^k}{k!} \cdot e^{-\lambda t},$$

where  $\lambda$  is the intensity of the applications flow receipt, the average number of events in the QS per unit time.

For such an application flow, the time between two neighboring applications  $T$  is exponentially distributed with a probability density:

$$f(t) = \lambda e^{-\lambda t}.$$

The random waiting time in the service start queue  $t_{\text{queue}}$  can also be considered distributed exponentially:

$$f(t_{\text{queue}}) = v \cdot e^{-v t_{\text{queue}}},$$

where  $v$  is the intensity of the queue pass flow, determined by the average number of applications to be serviced per time unit:

$$v = \frac{1}{T_{queue}}$$

$T_{queue}$  — average queueing time.

The outgoing flow of applications is associated with the service flow in the channel, where the service duration  $t_{o\bar{o}c}$  is also a random variable and in many cases is subordinate to an exponential distribution law with a probability density:

$$f(t_{serv}) = \mu \cdot e^{-\mu t_{o\bar{o}c}},$$

where  $\mu$  is the intensity of the service flow, i.e. the average number of applications serviced per unit time:

$$\mu = \frac{1}{t_{serv}} \left[ \frac{cust}{min}; \frac{cust}{hour} \right],$$

where  $t_{o\bar{o}c}$  is the average service time of applications.

An important characteristic of the QS combining the indicators  $\lambda$  and  $\mu$ , is the load intensity  $\rho = \lambda / \mu$  ;, which shows the degree of matching of the incoming and outgoing application flows of service channel and determines the stability of the queuing system [11].

1. We determine the intensity of the incoming flow of bank customers per hour of the credit department's operation, using the Pearson criterion with a level of significance  $\alpha = 0,05$ :

$$\lambda = \bar{k} = \frac{\sum_{i=1}^3 k_i f_i}{\sum_{i=1}^3 f_i}.$$

2. We calculate the theoretical frequencies:

$$f_i^T = N \frac{\lambda \cdot k_i}{k_i!} \cdot e^{-\lambda}, \text{ where } N = \sum_{i=1}^3 f_i.$$

3. The observed values of Pearson's criterion are:

$$\chi_{obs}^2 = \sum \frac{(f_i - f_i^T)^2}{f_i}.$$

Thus, we find the data of per-minute customer service.

1. For each interval, its mean is calculated by the formula

$$2. \quad t_i = \frac{\bar{t}_{i-1} + \bar{t}_i}{2} (i = 1 \dots 3).$$

3. The average service time  $\bar{t}_{serv}$  and service intensity  $\mu$  are calculated:

$$\bar{t}_{serv} = \frac{\sum_{i=1}^3 \bar{t}_i \cdot f_i}{\sum_{i=1}^3 f_i}.$$

$$4. \quad \mu = \frac{1}{\bar{t}_{serv}}.$$

5. Theoretical frequencies are determined by the formula

$$f_i^T = N \cdot (e^{\mu t_{i-1}} - e^{\mu t_i}), \text{ where}$$



$$N = \sum_{i=1}^3 f_i.$$

6. The observed value of the Pearson criterion is calculated from the formula

$$\chi_{obs}^2 = \sum_{i=1}^3 \frac{(f_i - f_i^T)^2}{f_i^T}.$$

7. We form the main work performance characteristics represented by multi-channel waiting QSs (Table 3).

Table 3

Main work performance characteristics represented by multi-channel waiting QSs

| No | Parameters                                   | Designation  |
|----|--|--|
| 1  | Load intensity                               | $\rho = \lambda / \mu = \lambda \cdot \overline{t_{serv}}$ |
| 2  | Share of managers' idle time                 | $\rho_0 = 1 - \rho$  |
| 3  | Probability that managers are busy with work | $\rho_{bus} = 1 - \rho_0$                                  |
| 4  | Average number of customers in the queue     | $L_{queue} = \frac{\rho^2}{1 - \rho}$                      |
| 5  | Average waiting time in the queue            | $T_{queue} = \frac{L_{queue}}{\lambda}$                    |

Note. Calculated by the authors.

Based on the above, we can draw the following conclusions:

Based on the SERVQUAL methodology synthesis calculating integral indices of the correspondence of the quality content with customer requests, a generalized indicator of the banking services quality, tools of correlation and regression analysis methods, a multi-channel queuing system, a comprehensive methodology for assessing the banking services quality has been developed.

Thus, the methodology for a comprehensive assessment of the banking services quality can be applied during computational experiments, in studies whose purpose is to elucidate a possible picture of future development and predict the values of some variables depending on changes in others. Consequently, the research tool is practically meaningful, in its factor structure, and hence universal, in various sectors of the services market, including banking.

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## Банк қызметтерінің сапасын кешенді бағалау әдістемесі

SERVQUAL әдіснамасын синтездеу негізінде тұтынушылардың сапа сұранысының мазмұнына сәйкес интегралдық көрсеткіштерін, банк қызмет сапасының жалпыланған көрсеткішін, корреляция және регрессиялық талдау әдістерінің құралдарын, көпарналы қызмет көрсету жүйесімен банк қызмет сапасын бағалаудың кешенді әдістемесі әзірленген. Қазақстан экономикасы дамып келе жатқандықтан, бәсекелес ортада банктерде қызмет көрсету сапасына байланысты проблемалардың өзектілігі артып келеді. Банк қызметін ұйымдастыру барысында стратегиялық және тактикалық тапсырмаларды шешуде қолжетімді ақпаратпен, материалдық және қаржылық ресурстармен икемді түрде іс-әрекет жасауға мүмкіндік беретін банк қызметтерінің сапасын бағалау және басқару бойынша шаралар жүйесін әзірлеу мәселесі көтерілді. Қазіргі кезде сапа ғылыми тұрғыдан алғанда мүлдем жаңа басқару нысаны болып табылады. Сонымен бірге сапа тұжырымдамасының қазіргі заманғы түсінігі, оның параметрлері нарық талаптарына сәйкес келмейді. Бұл жаңа тиімді пішіндерді және әдістерді ғылыми тұрғыда түсінуді және практикалық дамытуды, тиісті сандық құралдар арқылы банктік қызметтердің сапасын бағалауда әдіснамалық тәсілдерді қалыптастыруды талап етеді. Отандық банктердің тиімді жұмыс істеу формалары мен әдістерін іздестіруде, сапа мәселесі — жетекші позициялардың бірін иеленетін өзекті мәселе.

*Кілт сөздер:* банктер, сапа, баға, қызметтер, сапаны бағалау, банк қызметтерінің сапасы, әдіснама, коэффициент.

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## Методика комплексной оценки качества банковских услуг

Авторами разработана комплексная методика оценки качества банковских услуг. На основе синтеза методики SERVQUAL с расчетами интегральных индексов соответствия содержания качества запросам потребителей, обобщающим показателем качества банковских услуг, инструментами корреляционного и регрессионного методов анализа, многоканальной системой массового обслуживания. По мере развития экономики Казахстана возрастает актуальность проблем, связанных с качеством обслуживания в банках в условиях конкурентной среды. При организации деятельности банка остро встает вопрос о разработке системы мер по оценке и управлению качеством банковских услуг, которая позволит банку при решении стратегических и тактических задач гибко маневрировать имеющимися информационными, материальными и финансовыми ресурсами. Качество в настоящее время является достаточно новым с научной точки зрения объектом управления. Вместе с этим современное представление понятий качества, его параметров не соответствует требованиям рынка. Это обуславливает потребность в научном осмыслении и практической разработке новых эффективных форм и методов, в формировании методологических подходов в оценке качества банковских услуг через соответствующий количественный инструментарий. Поиск форм и методов эффективного функционирования отечественных банков является актуальной проблемой, в которой вопросы качества занимают одну из ведущих позиций. Эти факты позволяют с полным основанием отнести данную проблему к числу наиболее актуальных в современной науке.

*Ключевые слова:* банки, качество, цена, услуги, оценка качества, качество банковских услуг, методология, коэффициент.

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