Abstract. **Introduction.** Formation of the competitive economy of any state is impossible without effective tax policy. Effective tax policy is a source of economic growth and, as a rule, it manifests itself in macroeconomic and financial stability, the increase of business activities of economic entities, raising the level and quality of life of the population, in the realization of strategic infrastructural projects, etc. Tax policy in major economies of the world is heterogeneous; it depends on the scale and structure of the existing tax system, tax regulation and stability.

The authors’ proposed method of tax security estimating at the macro-level consists of the following stages: constructing a hierarchy of goals of tax security of the state; defining of priorities vector using the method of paired comparisons for all levels of the hierarchy; standardizing (normalizing) of the variables of the third level, that is, bringing the dimensional units of parameters measuring that form tax security to a unified range of values. While analyzing and estimating taxable capacity and tax risks, we consider taxes on income, profits and capital gains, taxes on goods and services, insurance premiums in the Organization for Economic Cooperation and Development (OECD) countries.

The authors of the article substantiate methodical recommendations on the assessment of the tax security of the state (on the materials of OECD countries). The advantage of the proposed method is usage of publicly available information on the most important indicators of the state tax policy’s efficiency.

**Keywords:** Taxable Capacity; Tax Security; OECD Countries; Tax Risk

**JEL Classification:** F01; H56; O57

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**Comparative approach to the tax security assessment**

1. **Problem statement.** While studying globalization as a modern process, it should be noted that the formation of a competitive economy of any state is impossible without ensuring the economic security of the state in the context of effective tax policy development. Effective tax policy is a source of economic growth and manifests itself, as a rule, in macroeconomic and financial stability, the increase of business activity of economic entities, raising the level and quality of life of the population, in the realization of strategic infrastructural projects, etc. [1, p. 58]. Tax policy of major economies of the world is heterogeneous; it depends on the scale and structure of the existing tax system, tax regulation and stability.


3. **The purpose of the article** is to substantiate the authors’ method of estimating tax security of the state (on the example of materials of OECD countries).

4. **Results.** Effective tax policy is the foundation of tax security of the state [15]. Based on the fact that tax and expenditure relations represent interaction between categories of taxes and budget; expand the scope of budgetary and tax legal relations at all levels of the budgetary system [16, p. 143], then, we believe, tax security of any country can be seen as a state of protection of tax relations from internal and external threats, which forms taxable capacity, retains fiscal stability and provides a country’s tax competitiveness on the world stage.

In the context of development of foreign countries’ tax systems, tax security acquires an independent role, since it is a component of economic security of the state as the recipient
of taxes in budget revenues with the aim of socio-economic development [17, p. 65].

The authors’ proposed method of assessing tax security of the state has been represented in several previous authors’ researches [16-18] and is given below as a methodological basis of future calculations. It consists of the following stages:

Stage 1. The construction of a hierarchy of goals of tax security of the state.

Stage 2. The definition of priorities vector with the usage of paired comparisons method for all levels of the hierarchy.

Stage 3. Standardization (normalization) of the variables of the third level, i.e. bringing the dimensional units of parameters measurement that form tax security to a unified range of values:

\[ z_i = \frac{k_i}{k_{cp}} , \]

where \( z_i \) is standardized (normalized) coefficient; \( k_i \) - actual value of risk potential factor; \( k_{cp} \) - mean value of risk potential factor in OECD.

Stage 4. The calculation of integrated indicators of the second level of tax security:

\[ \Pi_{it} = \sum z_{it} \times k_{ri} , \]

\[ Pit = \sum z_{it} \times k_{pi} , \]

where \( \Pi_{it} \) is integrated indicator of taxable capacity of a country \( i \) for the considered period of time \( t \); \( Pit \) - integrated indicator of tax risk of a country \( i \) for the considered period of time \( t \); \( k_{ri} \), \( k_{pi} \) - weighting coefficients of capacity and risk indicators (correspondingly, they are numerically equal to normalized priorities obtained by the method of paired comparisons); \( z_{it} \), \( z_{it} \) - values of indicators which characterize taxable capacity and risk, correspondingly, for the considered period of time \( t \); \( i \) - the number of indicators under study.

Stage 5. The calculation of tax security indicator (TS) (global goal):

\[ TS = \sum \Pi_{it} \times k_{capacity} + \sum Pit \times k_{risk} , \]

where \( TS \) is tax security of a country \( i \) for the considered period of time \( t \).

Stage 6. The interpretation of the state’s tax security assessment results.

The most important taxes in the formation and development of taxable capacity of OECD countries are the taxes on income, taxes on goods, services and the premiums [18, p. 174].

In the capacity of performance indicators, there were used the following indicators of OECD countries to assess tax security: «taxes on income, profits and capital gains; taxes on goods and services», «insurance premiums».

In accordance with the stage 1, there has been constructed the hierarchy of goals for assessing tax security of OECD countries (Figure 1).

The second step consisted in obtaining the vector of priorities of the second level by means of the matrix (the results are presented in Figure 1); for the second level of the hierarchy there were constructed two matrices, corresponding to the third level of the hierarchy. To define the relative importance of the hierarchy elements there was used a ratio scale [19, p. 53].

Standardization (normalization) of the variables of the third level, i.e. bringing the dimensional units of parameters measurement that form tax security to a unified range of values allowed us to calculate the integrated index of taxable capacity of the state \( i \) for the considered period of time \( t \) (Formula 2).

The calculation results of the integrated index of tax risk for the state \( i \) in the considered period of time \( t \) were performed by means of Formula 3. Tax security of OECD countries has been calculated by Formula 4 and the results are presented in Table 1.

The growth rate of tax security indicator shows increasing tendency for tax security of the countries. Table 1 shows that in 2014 the highest level of tax security is seen in the following countries: Denmark, Norway, Finland, Belgium, Sweden and Austria. These countries have consistent and stable high standard of living of the population. Therefore, we can say that the state of tax system ensures the interests of business,

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