

**METHODICAL GUIDELINES FOR THE
ASSESSMENT OF THE IMPLEMENTATION OF
THE DISSERTATION SCIENTIFIC RESULTS**





Approved by the Resolution № 214/9 as of March 20, 2015 of the Presidium of the Supreme Attestation Commission at the Cabinet of Ministers of the Republic of Uzbekistan

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METHODICAL GUIDELINES FOR THE ASSESSMENT OF THE IMPLEMENTATION OF THE DISSERTATION SCIENTIFIC RESULTS

The present methodical guidelines regulate methodical guidelines on the assessment of the implementation of the dissertation scientific results in accordance with the Decree of the President of the Republic of Uzbekistan 'On Further Improvement of Postgraduate Education' № 4958 as of February 16, 2017; the Resolutions of the Cabinet of Ministers 'On Postgraduate Education and Further Improving the Attestation of Scientific and Scientific-pedagogical Personnel' № 365 as of December 28, 2012 and 'On Measures of Further Improvement of Postgraduate Education' № 304 as of May 22, 2017.



Chapter 1. General regulations

1 According to the paragraph 22 of the state requirements set to the Postgraduate Education, approved by the Resolution № 304 as of May 22, 2017 of the Cabinet of Ministers, the introduction of scientific results into practice (for a Doctor of Science) and the recommendation to introduce (for a Doctor of Philosophy) are considered to be one of the main requirements defining the urgent and advanced level of training high skilled scientific and pedagogical personnel.

2 Scientific results of the dissertation claiming for a scientific degree of a Doctor of Science and a Doctor of Philosophy are to be introduced into practice (recommended to be introduced) (hereinafter introducing into practice) before initial expertise at the institution where the work has been conducted.

3 An applicant is eligible to present the scientific results for implementation either on his own or by the cover letter of the institution where the work has been con-

ducted.

4 The institution where the work has been conducted is to assist closely the applicant in organizing the works connected with the introduction the scientific results of the work into practice.

5 All kinds of organizations including governmental bodies, agencies of economic management, enterprises, institutions and social associations may be represented as an object of introducing the scientific results of the dissertation.



Chapter 2. The principles of introduction of the dissertation scientific results of theoretical value into practice

6 One of the following results worked out or improved by the applicant may be represented as a scientific result of the dissertation of theoretical value:

theory, idea;

regularity (category) and its peculiar features;

methodology;

method and tool (system of tools);

scientific conclusion;

analysis and prediction indexes;

other forms based on the scientific field (specialty) peculiarities.

7 The scientific results of the theoretically significant dissertation may be introduced into practice with one of the following forms:

The acknowledgement of the absolute right over the intellectual property – a patent for invention and selection winner; a patent for useful model, a patent for industrial model, which is currently topical, for the scientific degree of a Doctor of Philosophy;

the acknowledgement of the scientific results by the foreign scientific centers (republican scientific seminar) of higher educational institutions or obtaining at least three references in the scientific journals of the foreign countries, where the field of research is developed, the journal with more than 0,5 impact factor and which is included in the international system;

the usage of the scientific results in the completed scientific projects in which an applicant has not taken part;

the availability of the state educational standard, a textbook or pedagogical technology for the scientific degree of a Doctor of Philosophy;

the acknowledgement of the institution where the work has been conducted and a potential consumer of the scientific product

– a scientific-technical Council of the governmental body or economic management agency, in case the Council does not exist the acknowledgement on the basis of the recommendation of the relevant organizational structure;

other relevant forms based on the scientific field (specialty) peculiarities.



Chapter 3. The principles of introduction of the dissertation scientific results of practical value into practice

8 The results worked out or developed by an applicant which may serve as a scientific solution for the economy sector and topical issues of social sciences are considered to be the dissertation scientific results of practical value.

9

The scientific results of the practically significant dissertation may be introduced into practice with one of the following forms:

The acknowledgement of the absolute right over the intellectual property – a patent for invention and selection winner; a patent for useful model, a patent for industrial model, which is currently topical, for the scientific degree of a Doctor of Philosophy;

the introduction of the scientific results into the State register;

the usage of the scientific proposal under the norms of creative activity;

the usage of the scientific proposal in the draft of the normative documents in the sphere of technical standardization from technical point of view;

the availability of the scientific product facilitating the development of the theoretical-conceptual and methodical basis of science and technology;

the availability of the state educational standard, a textbook or pedagogical technology introduced into educational process (a manual for the scientific degree of a Doctor of Philosophy);

the acknowledgement by the potential consumer of the scientific product - a scientific-technical Council of the governmental body or economic management agency, in case the Council does not exist the acknowledgement by the organizational body on the basis of recommendations of the relevant organizational structure;

innovative ideas, technologies, and projects. Agreements signed at the Republican fair;

a person (only for a Doctor of Philosophy scientific degree), having honorary titles on the results of innovative ideas, technologies and projects (“The best innovative product”, “The best innovative

product on industrial direction”, “The best innovative product on agricultural direction”, “The best innovative product on information technologies direction”, “The best innovative product on science and education direction”, “The best innovative project of young scientists”);

according to the features of particular sciences other forms mentioned in the paragraphs 10-27¹ of the present methodical guidelines.

10

Scientific results of the dissertation on Physical and Mathematical sciences may be introduced into practice with one of the following forms:

scientific-technical product, innovative idea and scientific (scientific-technical) outcome used in the successful solution of technical-technological, economic, social and scientific-methodical issues;

scientific outcomes used in technical-technological re-equipment and modernization of manufacturing.

11

Scientific results of the dissertation on Chemical sciences may be introduced into practice with one of the following forms:

certified and modeled manufacturing technology;
manufacturing a product included in the program of adapting to local circumstances;

implementing a product to the relevant enterprise.

12

Scientific results of the dissertation on Biological sciences may be introduced into practice with one of the following forms:

certified and modeled new biological technology, mechanism, method and other product;

certified and modeled scientific results of medication, vaccine, and diagnostic production introduced into practice.

13

Scientific results of the dissertation on Geology and Mineralogy sciences may be introduced into practice with one of the following forms:

scientific results introduced into practice in the field of Geology, oil and gas, and mining metallurgy;

scientific results introduced to the documents of organizations looking for setting up new projects.

14

Scientific results of the dissertation on Technical sciences may be introduced into practice with one of the following forms:

scientific results introduced into manufacturing in the form of equipments, tools, mechanisms, machines, programs, methodology,

technology, which passed an experimental test;

scientific results introduced to the documents of organizations searching for setting up new projects.

15

Scientific results of the dissertation on Agricultural sciences may be introduced into practice with one of the following forms:

an offer implemented to the state target project at republican level, economic sector and regional levels;

scientific result implemented in the successful development of agricultural manufacturing, technical and technological re-equipment, modernization and new technologies.

16

Scientific results of the dissertation on Historical sciences may be introduced into practice with one of the following forms:

an offer implemented in the state target project at republican level, economic sector and regional levels;

a result implemented in the cultural facilities in line with the resolution of the authoritative state bodies or copyright;

major scientific publication prepared under the order.

17

Scientific results of the dissertation on Economic sciences may be introduced into practice with one of the following forms:

an offer implemented in the state target project at republican level, economic sector and regional levels;

project approved by the ministry and administration.

a product introduced to the particular organization activity.

18

Scientific results of the dissertation on Philosophical, Philological and Sociological sciences may be introduced into practice with one of the following forms:

a major scientific publication prepared under the order;

a result implemented in the cultural facilities in line with the resolution of the authoritative state bodies or copyright;

19

Scientific results of the dissertation on Chemical sciences may be introduced into practice with one of the following forms:

an offer implemented in the state target project at republican level, economic sector and regional levels;

a product introduced to the particular organization activity.

20

Scientific results of the dissertation on Legal sciences may be introduced into practice with one of the following forms:

an offer implemented in the state target project at republican level, economic sector and regional levels or to the development of

normative legal documents;

a major scientific publication prepared under the order;

21

Scientific results of the dissertation on Pedagogical sciences may be introduced into practice with one of the following forms:

a pedagogical technology introduced to the educational process in line with the resolution of the authoritative management body;

a major scientific publication prepared under the order.

22

Scientific results of the dissertation on Medical sciences may be introduced into practice with one of the following forms:

an effective approach (method) and training technology on the disease diagnosis, its prevention and treatment;

methodical recommendation included in the health care practice;

a modeled original and generic medication, vaccine, and diagnosticum introduced into practice which passed preclinical and clinical experimental test;

a certified scientific result on the disease diagnosis, its prevention and treatment which has been introduced to the health care practice;

23

Scientific results of the dissertation on Pharmaceutical sciences may be introduced into practice with one of the following forms:

a scientific result on the improvement of the pharmaceutical enterprise activity as well as test tools of the quality assessment of medications and medical documents;

a scientific result on the improvement of the available medication from new technological and pharmaceutical viewpoint;

a new technology creation producing original and generic medications on the basis of regional raw materials and its registration as a medication.

24

Scientific results of the dissertation on Veterinary sciences may be introduced into practice with one of the following forms:

an offer implemented to the state target project at republican level, economic sector and regional levels;

project approved by the organization or ministry.

25

Scientific results of the dissertation on Art sciences may be introduced into practice with one of the following forms:

an offer implemented in the state target project at republican level, economic sector and regional levels;

a result implemented in the cultural facilities in line with the resolution of the authoritative state bodies or copyright;

a major scientific publication prepared under the order.

26

Scientific results of the dissertation on Architecture may be introduced into practice with one of the following forms:

an offer implemented in the state target project at republican level, economic sector and regional levels;

a result implemented in the architecture and cultural facilities in line with the resolution of the authoritative state bodies or with the copyright;

a major scientific publication prepared under the order.

27

Scientific results of the dissertation on Psychological sciences may be introduced into practice with one of the following forms:

a psychological training project introduced to the educational process and the product directed at defining and improvement of the person's psychological and physiological features;

a product introduced to the particular organization activity;

a major scientific publication prepared under the order.

27¹

Scientific results of the dissertation on Political sciences may be introduced into practice with one of the following forms:

an offer implemented in the state target project at republican level, economic sector and regional levels;

project or other documents approved by the organization or ministry;

a product introduced to the particular organization activity;

a major scientific publication prepared under the order;

28

A text-book created in every field of science is considered as a form of introducing the scientific results into practice. Products announced by the applicant but not introduced to the practice, including monographs on the basis of a Doctor of Science dissertation are not considered to be a form of introducing the scientific results into practice.



Chapter 4. Preparation of the dissertation scientific results introduction into practice

29

The introduction of the dissertation scientific results into practice is to be approved by the relevant documents.

30 In case the documents certifying the dissertation scientific results introduction into practice are not available, the fact of scientific results introduction into practice is to be approved by other documents (certification, perfect conclusion, analytic reference, a positive evaluation of an offer by the republican state bodies or economic management agencies; a document implying the implementation of the results in elaboration of normative legal documents in line with the norms of creative process or in the sphere of technical regulations) taking into account the specificity of field.

31 Documents approving the dissertation scientific results introduced into practice are to be well grounded and formalized accurately, and information on the introduction into practice is to be provided fully.

32 Documents approving the dissertation scientific results introduced into practice are included in the attestation folded book of an applicant.

33 The institution where the dissertation has been conducted and a potential consumer of the scientific product – an interested organization or the republican scientific seminar are considered to be responsible for the validity of the resolution in case they approve the scientific results of the theoretically valuable dissertation by the additional resolution.

34 An analytic information on the introduction of dissertation scientific results into practice are to be published in the “SAC Bulletin”.



Chapter 5. Final regulations

35 The present Provisions have been coordinated with the State Committee on Physical Culture and Sports, the Ministry of Culture, the Ministry of Higher and Secondary Specialized Education, the Ministry of Health, the Ministry of Public Education, the Ministry of Agriculture and Water Resources, the Ministry of Foreign Affairs, the Academy of Sciences and the Agency of Science and Technologies of the Republic of Uzbekistan.