

About creation and maintenance of functioning of the international automated system of control of production authenticity

(The brief summary of the report on IAS-CPA)

Lanov O.A., Lumpov A.I., Machkin P.I., Khrenov V.P. - all Russia

In the report offers on creation and maintenance of functioning on a constant basis of the international automated monitoring system of authenticity and the qualities of production structured on following sections are presented:

- *The name, purpose and scopes of offered system;*
- *The purposes and problems of creation and maintenance of functioning of offered system;*
- *A basis of construction and maintenance of functioning of offered system;*
- *Principles and conditions of creation and maintenance of functioning of offered system;*
- *Algorithm of functioning of offered system;*
- *Conclusions and recommendations on creation and maintenance of functioning of offered system.*

1. The name, purpose and scopes offered international automated system of control of production authenticity

Offered to creation and maintenance of functioning the system refers to as the international automated system of control of production authenticity (IAS-CPA).

As the given system will be international, as the conditional code in its name it is offered to use a word «control», which allows to transfer its essence and the maintenance in various languages of the world without change of its sense. And for a concrete definition of that maintenance, that it is necessary to supervise with its application, it is offered to add in this code name of system still an abbreviation from two letters, «PA», meaning «production authenticity». Then in view of noted, the offered system in shorthand form can be designated as: IAS «Control-PA». Thus the first part of this reduced designation reflects the standard and widely used abbreviation of words «the automated system», with addition to them word «international», reflecting on the maintenance the status of this system. And the second part reflects a functional orientation and applicability of this system.

IAS «Control-PA» it is intended for realization in a continuous mode of the objective and authentic control of authenticity and quality of production at all stages of its life cycle, and also for protection of the consumer market worldwide (in the long term - worldwide) from counterfeit, forged, poor-quality and dangerous production.

Scopes IAS «Control-PA» will be:

- 1) the control of authenticity and quality of final product samples (the goods sold in the market), made with observance of all requirements and norms of the international system of quality ISO-9000;
- 2) the control of authenticity and quality of the completing products made with observance of all requirements and norms of the international system of quality ISO-9000 and intended for assembly of final product samples;
- 3) the control of authenticity and quality of the spare parts made with observance of all requirements and norms of the international system of quality ISO-9000 and intended for their use in structure of final product samples;
- 4) the control of authenticity and quality audio-, video- and the program production (software) made with observance of all requirements and norms of the international system of quality ISO-9000 and sold in the market in view of in its cost of a share of profit, listed (under the full control sold in structure of IAS «Control-PA» corresponding for this mechanism) to authors of this production as payment of their intellectual property;
- 5) the control of authenticity of the documents, given out to schoolboys, students, listeners, etc. categories of pupils by results of their training (including remote) in averages, average-technical,

average-special, the maximum and so forth educational institutions, with realization thus at all grade levels of the specified categories of pupils of constant quality assurance of formation received by them and reflection of results of this control over given out documents on the termination of the specified training;

6) the control of authenticity (authorization) and quality of services of various type and purpose (educational, medical, social, transport, legal, information, consulting, advertising, building, repair, household, resort, tourist and many other things), these services rendered by manufacturers to their end users.

2. The purposes of creation and maintenance of functioning offered international automated system of control of production authenticity

The basic *purposes* of creation and maintenance of functioning IAS «Control-PA» are:

1) realization of the objective and authentic control of authenticity and quality of production at all stages of its life cycle;

2) protection of interests of the commodity producers which are letting out production, meeting all requirements and norms of the international system of quality ISO-9000, from fakes and manufacture of the counterfeit and forged production let out and sold in the market by illegal businessmen under marks of firms of known commodity producers;

3) protection of interests of consumers and the consumer market as a whole from counterfeit, forged, poor-quality and dangerous production;

4) gradual without disputed replacement from the market of the illegal commodity producers letting out and realizing in the market counterfeit, forged, poor-quality and dangerous production under marks of firms of known commodity producers.

3. Problems of creation and maintenance of functioning offered international automated system of control of production authenticity

Achievement of the specified purposes of creation and maintenance of functioning IAS «Control-PA» is possible by the decision of the following *primary goals*:

1) creations and maintenance of conditions of functioning IAS «Control-PA» as control systems with a feedback allowing users of system to make correct decisions on the basis of given by it objective and a trustworthy information on results of the control of authenticity and quality of production;

2) creations and practical realization of objective conditions (by means of wide application IAS «Control-PA») for impossibility of activity of illegal businessmen on manufacture and realization in the market of counterfeit, forged, poor-quality and dangerous production;

3) creations and maintenance of conditions for registration and use in system of registration IAS «Control-PA» information only about those commodity producers and production let out by them which meet the requirements also to norms of the international system of quality ISO-9000;

4) creations and maintenance of functioning IAS «Control-PA» on a constant basis under aegis of the international public organization reflecting interests of commodity producers of all countries of the world - «the United Nations on Industrial Development Organization (UNIDO)», worldwide, as countries of the world of the system guaranteeing protection of their interests absolutely transparent, noncommercial and under control to the population, as consumers of the various goods, from presence in the market and purchase of the counterfeit, forged, poor-quality and dangerous production by them;

5) creations and maintenance of conditions of functioning IAS «Control-PA» worldwide only on a voluntary basis for occurrence in structure of its participants and users;

6) gradual series-parallel expansion IAS «Control-PA» and escalatings of its capacities, with consecutive involving in a field of activity of system of various stages of life cycle of made production, and its parallel development in various fields of activity of a society and in the various countries of world (in the long term - in all countries of world).

4. A basis of construction and maintenance of functioning offered international automated system of control of production authenticity

Fundamental basis of construction and maintenance of functioning IAS «Control-PA» in a constant-operating mode in the various countries of world (in the long term - in all countries of world) will be the new technology of cryptographic protection of the information developed in Russia, named by its author as PriNum-technology [1, 2]. This technology is constructed on the basis of generation in systems of protection of the information of objects and subjects of information interaction of hypersequences of simple numbers and disposable acyclic tapes.

This essentially new approach to construction of cryptographic systems of protection of the information is based on the laws of formation of sequences of simple numbers opened recently in Russia. In such systems of protection of the information of new generation, there is possible an application of disposable keys of access of subscribers to the protected information, as which the author it is offered to use hypersequences (i.e. very much greater sequences) **Prime Numbers** with small number of categories (with quantity of categories from 20 up to 40). This approach has defined that and the name of the developed new technology of cryptographic protection of the information - PriNum-technology.

But the given name, though reflects internal essence of this technology, but, first, the Russian-speaking term «simple numbers», meaning in the mathematical terminology accepted in Russia as a matter of fact «numbers, not decomposable on a multiplier» is not so harmonious in a Russian-speaking transcription and consequently will have the certain difficulties of its perception at practical application, and, secondly, deforms sense of these numbers, which in all other languages make sense: «the first» - «prime numbers». Besides considering that this technology, by virtue of its universality, functional characteristics and operational parameters will find the broadest application in various fields of activity of the person in many countries of the world, therefore the author of this new international technology of cryptographic protection of the information it is offered to use the reduced variant of English translation of its name: Prime Numbers Technology, or PriNum-technology. Russian translation of this short name has more harmonious pronunciation in a Russian-speaking transcription: PriNum-technology, which also is offered the author for the name of the given technology in Russia. At use of this technology outside Russia the author it is offered to name it how it is specified above, Prime Numbers Technology, or PriNum-technology in its reduced designation [1, 2].

Application in structure of IAS «Control-PA» means and the methods based on PriNum-technology, is necessary for formation, protection and warranting against falsification and a fake of the information circulating in given system about its participants and the controllable production made by various commodity producers (its authenticity and quality).

5. Principles of creation and maintenance of functioning offered international automated system of control of production authenticity

The international automated system of control of production authenticity it is offered to construct on the basis of following *principles* of its creation and maintenance of functioning:

1) *information (electronic) support of all stages of life cycle of made production* [from the moment of its manufacture by a commodity producer till the moment of its realization (sale) by the seller to the end user];

2) *formations of information history for each sample of made production* [and reflections in this history of all stages of life cycle of made production; thus the first stage of life cycle of samples of made production is its manufacture by a commodity producer, and the last - its realization (sale) by the seller to the end user; at purchase by the end user of a concrete product sample the information history of this product sample in DB IAS «Control-PA» should be closed and be transferred in electronic archive IAS «Control-PA»];

3) *maintenance of functioning IAS «Control-PA» as control systems with a negative feedback* [by realization of the objective and authentic control of authenticity and quality of production at all stages of its life cycle and use of the received objective information by its all

participants for acceptance of the administrative decisions];

4) **registration and receptions on a paid basis in system of registration IAS «Control-PA» all commercial participants of realization of life cycle of samples of made production (commodity producers, distributors, sellers, etc.), and also various state control-registration services (customs, a public health service-epidemic, etc.) unique identification numbers (digital codes)** [formed, protected and guaranteed against falsification and a fake, and also impossibility of their reception by any participant of realization of life cycle of samples of made production any different way, except for officially sold and protected in system of registration IAS «Control-PA» means and the methods based on PriNum-technology];

5) **registration and receptions on a paid basis in system of registration IAS «Control-PA» all commodity producers of unique identification numbers (digital codes) for each sample of production made by them** [formed, protected and guaranteed against falsification and a fake, and also impossibility of their reception by any commodity producer making counterfeit, forged, poor-quality and dangerous production under marks any widely known and officially registered in system of registration IAS «Control-PA» of commodity producers, any different way, except for officially sold and protected in system of registration IAS «Control-PA» means and methods of PriNum-technology];

6) **formations and maintenance in an actual condition in DB IAS «Control-PA» unique numbers (digital codes) all commercial participants of realization of life cycle of samples of made production (commodity producers, distributors, sellers, etc.), various state control-registration services (customs, a public health service-epidemic, etc.), and also all samples of registration IAS considered in system «Control-PA» made production** [formed, protected and guaranteed against falsification by means and methods of PriNum-technology];

7) **full exception of opportunities of reception by any participant of realization of life cycle of samples of made production of its individual identification number (a digital code), or identification numbers (digital codes) on samples of production made by it, any different way, except for officially sold in system of registration IAS «Control-PA»** [protected and guaranteed against their not authorized reception and introduction in system of registration IAS «Control-PA» means and methods of PriNum-technology];

8) **paid rendering from IAS «Control-PA» services (on a paid basis) to all commercial participants of realization of life cycle of samples of made production (to commodity producers, distributors, sellers, etc.), Receiving at the stages of this life cycle the share of commercial profit** [on formation and reflection in information history of samples of made production of results of their participation in promotion of product samples at their stages of life cycle of sold production, and also on formation and delivery to it by their inquiries (from DB IAS «Control-PA») the conclusions, in the form of short messages on volume, about authenticity or not authenticity of the goods (product sample) at their interesting stage of life cycle of the analyzed goods, for example, at a stage of its sale by the seller to the end user, by comparison of a bar code on packing of the given goods with the digital code of this product sample appropriated by a commodity producer and entered into DB IAS «Control-PA» at its registration and the primary account in system of registration IAS «Control-PA», and also, if necessary, on formation and delivery of more detailed information by it about the goods offered to sale, In the form of information history of the given sample of made production];

9) **paid rendering from IAS «Control-PA» services (on a free-of-charge basis) to the state organizations which are carrying out registration and control functions (customs and various state supervising services)** [on formation and delivery to it by their inquiries (from DB IAS «Control-PA») the conclusions, in the form of short messages on volume, about authenticity or not authenticity of the goods (product sample), at a considered stage of life cycle of the analyzed goods, for example, at a stage of its crossing of customs borders of the state and registration thus of corresponding customs and control-registration documents, by comparison of the bar codes of the goods specified in electronic accompanying documents with digital codes of samples of the given production, the appropriated commodity producer and entered into DB IAS «Control-PA» at its registration and the primary account in system of registration IAS «Control-PA», and also, if necessary, on formation and delivery of more detailed information by it about a party analyzed by them the goods, in the form of information history of the given samples of made production];

10) ***paid rendering from IAS «Control-PA» services (on a paid basis) to end users of concrete samples of made production (but only and exclusively at their personal desire) at purchase of these product samples at sellers*** [on formation and delivery to it, in reply to their SMS-inquiries paid by them, short messages on volume, about authenticity or not authenticity of the goods (product sample), by comparison of a bar code on packing of the goods got by the end user (and specified by it in the SMS-inquiry) with a digital code of this product sample, the commodity producer appropriated to it and entered into DB IAS «Control-PA» at registration and the primary account of this product sample in system of registration IAS «Control-PA»];

11) ***voluntary occurrence in structure of participants and users IAS «Control-PA»*** [by virtue of obvious advantage of participation in this system, as great bulk of the commodity producers making production under all requirements and norms of the international system of quality ISO-9000, and interested in its protection against fakes, counterfeit and forged production, and practically all consumers interested in purchase of product samples, made under all requirements and norms of the international system of quality ISO-9000, and not interested available in the market counterfeit, forged, poor-quality and dangerous production];

12) ***series-parallel expansion IAS «Control-PA» and escalatings of its capacities in each country of its action without attraction of the big starting capital*** [with consecutive involving in a field of activity of system of various stages of life cycle of made production and its parallel development in various fields of activity of a society and worldwide];

13) ***without disputed replacement from the market of commodity producers of counterfeit, forged, poor-quality and dangerous production*** [by virtue of that in process of expansion of field of activity IAS «Control-PA» and perception and its fastening in consciousness of a great bulk of consumers worldwide as systems of the guaranteed protection of their interests, the counterfeit, forged, poor-quality and dangerous production of the illegal businessmen which have been not registered in system of registration IAS «Control-PA», will simply cease to buy and consequently to these illegal businessmen necessarily should be started the production the qualitative production meeting all requirements and norms of the international system of quality ISO-9000].

6. Conditions of creation and maintenance of functioning offered international automated system of control of production authenticity

The basic *conditions* of creation and maintenance of functioning IAS «Control-PA» should be:

1) ***maintenance of conformity to requirements and norms of the international system of quality of production ISO-9000*** [practical realization of this condition will allow to register, first, in system of registration IAS «Control-PA» over its users, only those participants of realization of life cycle of samples of made production (as commercial: commodity producers, distributors, sellers, etc., and various state control-registration services:, etc.) at which documents certifying them will meet the requirements completely and to norms of the international system of quality ISO-9000, and, secondly, to register customs, a public health service-epidemic in system of registration IAS «Control-PA» only those samples of production made by commodity producers who will correspond completely to requirements and norms of the international system of quality ISO-9000];

2) ***maintenance of the minimal cost of services IAS «Control-PA»*** [rendered to all participants of realization of life cycle of made production (as commercial - to commodity producers, distributors, sellers, etc., and state - customs, a public health service-epidemic, etc.) on registration and conducting in system of registration IAS «Control-PA» their unique identification numbers (digital codes), and also unique identification numbers (digital codes) all samples of production made by commodity producers], necessary (costs) only for a covering of charges on performance of the specified works, with level of normative profit of functioning minimally demanded at it as IAS «Control-PA» as a whole, and elements making it in separately taken countries of the world];

3) ***maintenance of high dynamics IAS «Control-PA» on inquiries of its users*** [practical realization of this condition demands high speed of processing of the information, which (speed), in turn, causes the minimal set of the mathematical operations demanded for realization at processing of one inquiry of the user, - to all these conditions completely there corresponds PriNum-technology which provides performance of operation of reception by any user of unique identification number (a

digital code) or assignments of unique identification number (a digital code) to any sample of made production, by performance of only two operations of addition and one operation of comparison of binary numbers];

4) *maintenance of a transparency, objectivity and reliability of the information circulating in system* [without performance of this extremely important and necessary condition IAS «Control-PA» practically cannot reach the purposes put before it and to carry out problems assigned to it];

5) *maintenance of full exception of any opportunity of illegitimate registration to participants and users IAS «Control-PA» in its system of registration* [except for officially sold way protected from not authorized (not legitimate) of access to system, means and methods of PriNum-technology];

6) *maintenance of full independence of construction and functioning IAS «Control-PA» from what any influence or the state or what or the governments* [as IAS «Control-PA», being on the basic applicability system of protection of interests as commodity producers, and consumers from presence in the market of counterfeit, forged, poor-quality and dangerous production in conditions of the modern world commodity circulation covering practically all of the country of the world, construction and maintenance of functioning IAS «Control-PA» should not depend on what any influence or the state or what or the governments, and this system under the control of the international public organizations reflecting interests of commodity producers and consumers should be adjusted and be coordinated; And as the international public organization reflecting interests of commodity producers of all countries of the world is «the United Nations on Industrial Development Organization (UNIDO)» therefore construction and maintenance of functioning IAS «Control-PA» should be carried out under the control of this international public organization];

7) *construction and maintenance of functioning «Control-PA» on not state basis* [the requirement on realization in a basis of construction and maintenance of functioning IAS «Control-PA» the given condition follows as consequence from the previous condition];

8) *construction and maintenance of functioning «Control-PA» on a noncommercial basis* [the purposes and the problems facing IAS «Control-PA», probably to realize only and exclusively on a noncommercial basis of its construction and maintenance of functioning].

7. Algorithm of functioning offered international automated system of control of production authenticity

Algorithm of functioning IAS «Control-PA» we shall consider on a concrete example, when life cycle of any goods consists of 7 stages (see fig. 1), on each of which this goods consistently moves ahead from its commodity producer located in the Country 1 (a stage 1), all over again to 1-my to the distributor also located in the Country 1 (a stage 2), then to 2-my to the distributor located in the Country 2 (a stage 5), crossing, thus, customs borders of the Country 1 and the Countries 2, with registration of necessary customs documents (stages 3 and 4 accordingly), and getting finally for its realization (sale) to the seller located in the Country 2 (a stage 6), for its offer and sale to the end user (the stage 7).

But before considering directly algorithm of functioning IAS «Control-PA» at separate stages of life cycle of the goods, we shall note some general provisions, concerning all participants and users of the given system and all stages of algorithm of its functioning as a whole.

All participants of realization of life cycle of the goods (as commercial: commodity producers, distributors, sellers, etc., and state: customs, a public health service-epidemic, etc.) For objective and authentic reflection of the participation at the stage of this cycle, according to the principles 5.4 specified above, 5.11 and a condition 6.4, should be registered by system of registration IAS «Control-PA», with reception by each of them of the unique identification number (a digital code). Thus, according to a condition 6.4, first, to be registered in system of registration IAS «Control-PA» and receive unique identification numbers those participants at whom documents certifying them will meet the requirements completely and to norms of the international system of quality ISO-9000, and, secondly, can to register only in system of registration IAS «Control-PA» commodity producers it will be possible only those samples of the goods of production made by them (with reception, according to a principle 5.5, unique identification number (a digital code) for each product sample) which will correspond completely to requirements and norms of the international system of quality

ISO-9000.

Registration IAS appropriated by system «Control-PA» to each of participants of life cycle of the goods their unique identification numbers (digital codes), protected in system from falsification and a fake someone another means and methods of PriNum-technology [a condition 6.5], are necessary for unequivocal, objective and authentic reflection (in structure of information history of life cycle of the goods) results of their activity, at realization by each of them of the stage of life cycle of the goods [a condition 6.4].

The fact of end of each of stages of life cycle of the goods (for example: end of operation of primary registration in system of registration IAS «Control-PA» the samples of the goods made by a commodity producer; sale and purchase of the goods by participants of its life cycle; end of operation of customs inspection of the goods by customs; sale of the goods, etc.) the Internet by the executor of this stage in IAS «Control-PA» for closing this stage in information history of life cycle of the goods should be without fail informed to the end user on liaison channels of a network.

For using information resource IAS «Control-PA» all its participants (as commercial: commodity producers, distributors, sellers, etc., and state: the customs, a public health service-epidemic, etc.) at the primary registration in system, according to a principle 5.4, should pay. And, according to requirements of conditions 6.2 and 6.8, rather insignificant sum.

And for using information resource IAS «Control-PA» at control of authenticity and quality of production at various stages of its life cycle all commercial participants of realization of this life cycle (commodity producers, distributors, sellers, etc.) as receiving from realization of the activity commercial profit, according to principles 5.5 and 5.8, should pay (and, according to requirements of conditions 6.2 and 6.8, rather insignificant sum). And here various state control-registration services (the customs, a public health service-epidemic, etc.) as not receiving from realization of the activity of any commercial profit, according to a principle 5.9, should receive from IAS «Control-PA» all information necessary for them (under the control of authenticity and quality of made production at all stages of its life cycle) on a gratuitous (free-of-charge) basis.

Each end user of any concrete sample of made production at purchase at sellers of this goods, with a view of the personal control of authenticity and quality of the goods got by it, according to principles 5.10 and 5.11, can address also on liaison channels of a network the Internet to information resources IAS «Control-PA» by means of SMS-inquiry from the mobile phone, and receive its interesting answer in the form of the short message on the mobile phone about authenticity or not authenticity of the got goods and its quality (corresponds or the got goods mismatches the international system of quality ISO-9000). And, according to requirements of conditions 6.2 and 6.8, the size of payment of SMS-inquiries of end users of samples of production got by them, should be rather insignificant on the sum. And the part of cost of these SMS-inquiries, according to the certain agreements between operators of cellular communication and IAS «Control-PA», should act in the form of payment of information resource IAS «Control-PA», used at realization of the specified SMS-inquiries.

Now we shall consider directly algorithm of functioning IAS «Control-PA» at separate stages of life cycle of the goods.

Stage 1. The commodity producer which is being the Country 1, certifying which documents should meet the requirements completely and to norms of the international system of quality ISO-9000 [a condition 6.1], the Internet in system of registration IAS «Control-PA» [principles 5.4 and 5.11] is registered on liaison channels of a network, receiving thus from CC IAS «Control-PA» in the Country 1 unique identification number (a digital code), appropriated to it system of registration IAS «Control-PA» [a principle 5.6] and protected in system from falsification and a fake someone by another means and methods of PriNum-technology [a condition 6.5].

(from CC IAS «Control-PA» in the Country 1) on registration, and also fastening to it of its unique identification number (a digital code) and to its maintenance in DB IAS «Control-PA» in an actual condition during all period of mutual relations with the given system [a principle 5.6 and a condition 6.5] the commodity producer should pay for service rendered to it, and rather insignificant sum [conditions 6.2 and 6.8].

Each sample of made production a commodity producer registers in system of registration IAS «Control-PA» [a principle 5.5]. Thus the system of registration IAS «Control-PA» (in CC this system

in the Country 1) gets on each sample of production made by a commodity producer its information history [principles 5.1, 5.2 and 5.6]. In this what information history or a product sample the basic data on a commodity producer and the given sample of the goods are reflected: when it is made, its brief characteristics and data about its conformity to requirements and norms of the international system of quality ISO-9000, and also the information that for the further realization this goods was got at a commodity producer by the wholesale buyer (the distributor 1 in the Country 1).

For service rendered to a commodity producer (from CC IAS «Control-PA» in the Country 1) on formation and filling in DB IAS «Control-PA» 1-st stage of information history of the given goods, the commodity producer should pay [principles 5.5, 5.6 and 5.7], and rather insignificant sum [conditions 6.2 and 6.8], for example, as shown in fig. 1, at a rate of 0,1 % from the cost price of the given concrete separate sample of the goods.

The concrete sizes of tariffs for services from IAS «Control-PA» to its participants will be defined by results of creation and maintenance of functioning of this international automated system. But here it is necessary to emphasize especially, that according to conditions 6.2 and 6.8, the sizes of these tariffs should be minimal and satisfy both commodity producers, and end users.

Stage 2. Essence of 2-nd stage of realization of life cycle of a considered party of the goods is purchase of this party of the goods at the manufacturer the distributor 1 (being, for example, as shown in fig. 1, in the same Country, as a commodity producer) for the further realization, shall admit, sales of this party of the goods to the distributor 2 who are being the Country 2. At realization of this transaction the goods will cross customs borders, in the beginning the Countries 1 (whence it will be delivered), and then the Countries 2 (where it will be delivered), at 3-rd and 4-th stages of the life cycle accordingly.

Therefore in information history of considered life cycle of the goods at 2-nd its stage its essence, i.e. purchase of the given goods at a commodity producer by the distributor 1 (being in the same Country, as a commodity producer) for the further sale to the distributor 2 (being in the Country 2), and also the basic data on the distributor 1, with the obligatory instruction on conformity of documents certifying it to requirements and norms of the international system of quality ISO-9000 is reflected.

For realization of 2-nd stage of considered life cycle of the goods, the distributor 1 who are being the Country 1, certifying which documents should meet the requirements completely and to norms of the international system of quality ISO-9000 [a condition 6.1], the commodity producer on liaison channels of a network the Internet in system of registration IAS «Control-PA» [principles 5.4 and 5.11], with an institution should also as well as to be registered thus in CC IAS «Control-PA» in the Country of 1 unique identification number (a digital code), appropriated to it system of registration IAS «Control-PA» [a principle 5.6] and protected in system from falsification and a fake someone another means and methods PriNum-technology [a condition 6.5].

For service rendered to it (from CC IAS «Control-PA» in the Country 1) on registration, and also fastening to it of its unique identification number (a digital code) and to its maintenance in DB IAS «Control-PA» in an actual condition during all period of mutual relations with the given system [a principle 5.6 and a condition 6.5], the distributor 1 should pay, and rather insignificant sum [conditions 6.2 and 6.8].

With a view of the personal control of authenticity and quality got by it at a commodity producer of the goods, the distributor 1 addresses on liaison channels of a network the Internet to information resources IAS «Control-PA» by means of inquiry to DB IAS «Control-PA» for reception of acknowledgement on authenticity (or not authenticity) the goods got by it and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000).

In the inquiry the distributor 1 specifies bar codes of samples of the goods got by it, resulted in electronic accompanying documents of this goods. Realizing given inquiry CC IAS «Control-PA» in the Country 1 compares the bar codes of samples of the goods specified in inquiry to digital codes of samples of the given production, appropriated by a commodity producer and entered in DB IAS «Control-PA» at its registration and the primary account in system of registration IAS «Control-PA».

At concurrence (or discrepancy) these codes CC IAS «Control-PA» in the Country 1 forms and sends on liaison channels of a network the Internet to address of the distributor 1 in reply to its

inquiry the short message on volume about authenticity (or not to authenticity) the goods got by it and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000). If necessary receptions by the distributor of 1 more detailed information on its interesting goods, the full information history of the goods got by it generated at the moment of inquiry in DB IAS «Control-PA» can be given out to it CC IAS «Control-PA» in the Country 1, in reply to its additional inquiry.

For service rendered to it (from CC IAS «Control-PA» in the Country 1), first, according to authenticity and quality of the goods got by it, and, secondly, in case of its additional inquiry on delivery of full information history of this goods, the distributor 1 should pay [principles 5.5 and 5.8], and rather insignificant sum [conditions 6.2 and 6.8], for example, as shown in fig. 1, at a rate of 0,1 % from the cost price of the given concrete sample of the goods.

After end of the control of authenticity and quality of the got goods and personal belief in its authenticity and full conformity to requirements and norms of the international system of quality ISO-9000, the distributor 1 legalizes all necessary papers on wholesale purchase of the given goods at its commodity producer.

End of operation of sale and purchase of the given goods by its commodity producer to the distributor 1 means also end of 2-nd stage of life cycle of this goods.

Stage 3. The distributor 1, realizing the intention about sale of the goods got at its commodity producer, to the distributor 2 who are being the Country 2, shows this goods in the beginning on customs border of the country, there where it is, - the Countries 1, and then on customs border of that country where there is its trading partner, - the Countries 2.

Essence of 3-rd stage of realization of life cycle of a considered party of the goods is customs inspection of this goods on customs border of the Country 1.

For realization of 3-rd stage of considered life cycle of the goods, customs in the Country 1, certifying which documents should meet the requirements completely and to norms of the international system of quality ISO-9000 [a condition 6.1], also as well as all other participants of realization of life cycle of the goods, should be registered on liaison channels of a network the Internet in system of registration IAS «Control-PA» [principles 5.4 and 5.11], with an institution thus in CC IAS «Control-PA» in the Country of 1 unique identification number (a digital code), appropriated to it system of registration IAS «Control-PA» [a principle 5.6] and protected in system from falsification and a fake someone another means and methods PriNum-technology [a condition 6.5].

For service rendered to it (from CC IAS «Control-PA» in the Country 1) on registration, and also fastening for it of its unique identification number (a digital code) and to its maintenance in DB IAS «Control-PA» in an actual condition during all period of mutual relations with the given system [a principle 5.6 and a condition 6.5], the customs in the Country 1 should pay, and rather insignificant sum [conditions 6.2 and 6.8].

At presentation by the distributor of 1 goods for customs inspection in the Country 1, its customs, with a view of the control of authenticity and quality of the shown goods, addresses on liaison channels of a network the Internet in CC IAS «Control-PA» in the Country 1 to information resources of the given system for reception of acknowledgement on authenticity (or not authenticity) the goods shown on customs inspection and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000). Thus the customs in the Country 1 in the inquiry specifies bar codes of samples of the goods passing customs inspection, resulted in electronic accompanying documents of this goods.

Realizing this inquiry CC IAS «Control-PA» in the Country 1 compares the bar codes of samples of the goods specified in inquiry to digital codes of samples of the given production, appropriated by a commodity producer and entered in DB IAS «Control-PA» at its registration and the primary account in system of registration IAS «Control-PA». At concurrence (or discrepancy) these codes CC IAS «Control-PA» in the Country 1 forms and sends on liaison channels of a network the Internet to address of customs in the Country 1 in reply to its inquiry the short message on volume about authenticity (or not to authenticity) samples of the goods passing customs inspection and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000). If necessary receptions by the given customs of more detailed

information on its interesting goods, to it can be given out, in reply to its additional inquiry, full information history of samples of the goods passing customs inspection, generated at the moment of inquiry to DB IAS «Control-PA».

For rendered to customs in the Country 1 service (from CC IAS «Control-PA» in the Country 1), first, according to authenticity and quality of the goods passing customs inspection, and, secondly, in case of its additional inquiry on delivery of full information history of this goods, customs in the Country 1 as the state organization which is carrying out registration both control functions and not receiving from the activity any commercial profit, nothing should pay [a principle 5.9]. Therefore on fig. 1 the payment for this service in the form of 0,0 % is shown.

After end of the control of authenticity and quality of the goods passing customs inspection and payments by the distributor of 1 all necessary custom charges and duties the customs in the Country 1 legalizes corresponding papers on end of customs inspection of the given goods.

End of operation of customs inspection of the given goods by customs in the Country 1 means also end of 3-rd stage of life cycle of this goods.

Stage 4. The distributor 1, continuing realization of the intention about sale of the goods got at a commodity producer to the distributor 2 who are being the Country 2, after passage of customs inspection at customs in the Country 1, delivers this goods in the Country 2, and shows it on customs border of this country, for realization of 4-th stage of life cycle of the given goods.

Essence of 4-th stage of realization of life cycle of a considered party of the goods is customs inspection of this goods on customs border of the Country 2.

For realization of 4-th stage of considered life cycle of the goods, customs in the Country 2, certifying which documents should meet the requirements completely and to norms of the international system of quality ISO-9000 [a condition 6.1], also as well as all other participants of realization of life cycle of the goods, should be registered on liaison channels of a network the Internet in system of registration IAS «Control-PA» [principles 5.4 and 5.11], with an institution thus in CC IAS «Control-PA» in the Country 2 unique identification numbers (a digital code), appropriated to it system of registration IAS «Control-PA» [a principle 5.6] and protected in system from falsification and a fake someone another means and methods PriNum-technology [a condition 6.5].

For service rendered to it (from CC IAS «Control-PA» in the Country 2) on registration, and also fastening for it of its unique identification number (a digital code) and to its maintenance in DB IAS «Control-PA» in an actual condition during all period of mutual relations with the given system [a principle 5.6 and a condition 6.5], the customs in the Country 2 should pay, and rather insignificant sum [conditions 6.2 and 6.8].

At presentation by the distributor of 1 goods for customs inspection in the Country 2, its customs, with a view of the control of authenticity and quality of the shown goods, addresses on liaison channels of a network the Internet in CC IAS «Control-PA» in the Country 2 to information resources of the given system for reception of acknowledgement on authenticity (or not authenticity) the goods shown on customs inspection and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000). In the inquiry the customs in the Country 2 specifies bar codes of samples of the goods passing customs inspection, resulted in electronic accompanying documents of this goods.

Realizing this inquiry CC IAS «Control-PA» in the Country 2 the Internet in a mode of roaming to CC IAS «Control-PA» in the Country 1 with the inquiry about delivery to it of necessary data (in the generalized kind) from information history of life cycle of the given goods, generated by results of performance of three previous stages of life cycle of this goods addresses on liaison channels of a network.

Having received the answer to inquiry CC IAS «Control-PA» in the Country 2 compares the customs specified in inquiry in the Country 2 bar codes of samples of the goods to digital codes of samples of the given production, appropriated by a commodity producer and entered in DB IAS «Control-PA» at its registration and the primary account in system of registration IAS «Control-PA» in the Country 1 (and informed CC IAS «Control-PA» in the Country 1 in reply to inquiry CC IAS «Control-PA» in the Country 2). At concurrence (or discrepancy) these codes CC IAS «Control-PA» in the Country 2 forms and sends on liaison channels of a network the Internet to address of customs

in the Country 2 in reply to its inquiry the short message on volume about authenticity (or not to authenticity) samples of the goods passing customs inspection and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000).

If necessary receptions by customs in the Country 2 more detailed information on its interesting goods, can be given out to it, in reply to its additional inquiry, full information history passing at it customs inspection of samples of the goods, generated at the moment of inquiry to DB IAS «Control-PA». For realization of this additional inquiry of customs in the Country 2 CC IAS «Control-PA» in the Country 2 the Internet in a mode of roaming to CC IAS «Control-PA» in the Country 1 with the inquiry about delivery to it full information history passing on customs of the Country 2 customs inspection of samples of the goods, generated at the moment of inquiry to DB IAS «Control-PA» should address on liaison channels of a network. Having received from CC IAS «Control-PA» in the Country 1 answer to the inquiry, CC IAS «Control-PA» in the Country 2 forms and sends on liaison channels of a network the Internet to address of customs in the Country 2 in reply to its additional inquiry specified above the full information history, passing at it customs inspection of the goods generated by results of realization of three previous stages of life cycle of this goods.

For rendered to customs in the Country 2 service (from CC IAS «Control-PA» in the Country 2), first, according to authenticity and quality of the goods passing customs inspection, and, secondly, in case of its additional inquiry on delivery of full information history of this goods, customs in the Country 2 as the state organization which is carrying out registration both control functions and not receiving from the activity any commercial profit, nothing should pay [a principle 5.9]. Therefore on fig. 1 the payment for this service in the form of 0,0 % is shown.

After end of the control of authenticity and quality of the goods passing customs inspection and payments by the distributor of 1 all necessary custom charges and duties the customs in the Country 2 legalizes corresponding papers on end of customs inspection of the given goods.

End of operation of customs inspection of the given goods by customs in the Country 2 means also end of 4-th stage of life cycle of this goods.

Stage 5. Essence of 5-th stage of realization of life cycle of a considered party of the goods is purchase of this party of the goods (already last «customs clearance» at customs of the Country 2) the distributor 2 in the Country 2 at the distributor 1 of the Country 1.

In information history of considered life cycle of the goods its essence, i.e. purchase of the given goods by the distributor is reflected in 5-th its stage 2 in the Country 2 at the distributor 1 of the Country 1, and also the basic data on the distributor 2, with the obligatory instruction on conformity of documents certifying it to requirements and norms of the international system of quality ISO-9000.

For realization of 5-th stage of considered life cycle of the goods, the distributor 2 who are being the Country 2, certifying which documents should meet the requirements completely and to norms of the international system of quality ISO-9000 [a condition 6.1], should also as well as all the previous participants of realization of life cycle of the goods, be registered on liaison channels of a network the Internet in system of registration IAS «Control-PA» [principles 5.4 and 5.11], with an institution thus in CC IAS «Control-PA» in the Country 2 unique identification numbers (a digital code), appropriated to it system of registration IAS «Control-PA» [a principle 5.6] and protected in system from falsification and a fake someone another means and methods PriNum-technology [a condition 6.5].

For service rendered to it (from CC IAS «Control-PA» in the Country 2) on registration, and also fastening to it of its unique identification number (a digital code) and to its maintenance in DB IAS «Control-PA» in an actual condition during all period of mutual relations with the given system [a principle 5.6 and a condition 6.5], the distributor 2 should pay, and rather insignificant sum [conditions 6.2 and 6.8].

With a view of the personal control of authenticity and quality got by it at the distributor 1 of the Country of 1 goods, the distributor 2 addresses on liaison channels of a network the Internet to information resources IAS «Control-PA» by means of inquiry to CC IAS «Control-PA» in the Country 2 for reception of acknowledgement on authenticity (or not authenticity) the goods got by it and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000).

In the inquiry the distributor 2 specifies bar codes of samples of the goods got by it, resulted in

electronic accompanying documents of this goods. Thus, realization of this inquiry CC IAS «Control-PA» in the Country 2 will not need to address on liaison channels of a network the Internet in a mode of roaming to CC IAS «Control-PA» in the Country 1 with the inquiry about delivery to it of necessary data (in the generalized kind) from information history of life cycle of the given goods, generated by results of performance of all previous stages of life cycle of this goods because all necessary for realization of this inquiry data (in the generalized kind) have been already received from CC IAS «Control-PA» in the Country 1 at previous, 4-th stage of realization of life cycle of this goods, and there are they in structure of information history of 4-th stage, in DB IAS «Control-PA» in the Country 2. Therefore CC IAS «Control-PA» in the Country 2, realizing the inquiry which has acted to it from the distributor 2 in the Country 2, compares the bar codes of samples of the goods specified in this inquiry with already available in DB IAS «Control-PA» in the Country 2 digital codes of samples of the given production, appropriated by a commodity producer and entered in DB IAS «Control-PA» at its registration and the primary account in system of registration IAS «Control-PA».

At concurrence (or discrepancy) these codes CC IAS «Control-PA» in the Country 2 forms and sends on liaison channels of a network the Internet to address of the distributor 2 in reply to its inquiry the short message on volume about authenticity (or not to authenticity) the goods got by it and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000). If necessary receptions by the distributor 2 more detailed information on its interesting goods, can be given out to it, in reply to its additional inquiry, the full information history of the goods got by it generated at the moment of inquiry in DB IAS «Control-PA».

For service rendered to it (from CC IAS «Control-PA» in the Country 2), first, according to authenticity and quality of the goods got by it, and, secondly, in case of its additional inquiry on delivery of full information history of this goods, the distributor 2 should pay [principles 5.5 and 5.8], and rather insignificant sum [conditions 6.2 and 6.8], for example, as shown in fig. 1, at a rate of 0,1 % from the cost price of the given concrete sample of the goods.

After end of the control of authenticity and quality of the got goods and personal belief in its authenticity and full conformity to requirements and norms of the international system of quality ISO-9000, the distributor 2 legalizes all necessary papers on wholesale purchase of the given goods at the distributor 1 of the Country 1.

End of operation of sale and purchase of the given goods by the distributor 2 in the Country 2 at the distributor 1 of the Country 1 means also end of 5-th stage of life cycle of this goods.

Stage 6. Essence of 6-th stage of realization of life cycle of a considered party of the goods is purchase of this party of the goods by the seller of the goods in the Country 2 at the distributor 2 of the Country 2.

In information history of considered life cycle of the goods its essence, i.e. purchase of the given goods by the seller of the goods is reflected in 6-th its stage in the Country 2 at the distributor 2 in the Country 2, and also the basic data on the seller of the goods in the Country 2, with the obligatory instruction on conformity of documents certifying it to requirements and norms of the international system of quality ISO-9000.

For realization of 6-th stage of considered life cycle of the goods, the seller of the goods who is being the Country 2, certifying which documents should meet the requirements completely and to norms of the international system of quality ISO-9000 [a condition 6.1], should also as well as all the previous participants of realization of life cycle of the goods, be registered on liaison channels of a network the Internet in system of registration IAS «Control-PA» [principles 5.4 and 5.11], with an institution thus in CC IAS «Control-PA» in the Country 2 unique identification numbers (a digital code), appropriated to it system of registration IAS «Control-PA» [a principle 5.6] and protected in system from falsification and a fake someone another means and methods of PriNum-technology [a condition 6.5].

For service rendered to it (from CC IAS «Control-PA» in the Country 2) on registration, and also fastening to it of its unique identification number (a digital code) and to its maintenance in DB IAS «Control-PA» in an actual condition during all period of mutual relations with the given system [a principle 5.6 and a condition 6.5], the seller of the goods should pay, and rather insignificant sum [conditions 6.2 and 6.8].

With a view of the personal control of authenticity and quality got by it at the distributor 2 of the Country 2 goods, the seller of the goods addresses on liaison channels of a network the Internet to information resources IAS «Control-PA» by means of inquiry to CC IAS «Control-PA» in the Country 2 for reception of acknowledgement on authenticity (or not authenticity) the goods got by it and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000).

In the inquiry the seller of the goods in the Country 2 specifies bar codes of samples of the goods got by it, resulted in electronic accompanying documents of this goods. Thus, for realization of this inquiry in CC IAS «Control-PA» in the Country 2, already are available all necessary data (in the generalized kind), and they are in DB IAS «Control-PA» in the Country 2, in structure of information history of 4-th and 5-th stages of life cycle of the checked goods. Therefore CC IAS «Control-PA» in the Country 2, realizing the inquiry which has acted to it from the seller of the goods in the Country 2, compares the bar codes of samples of the goods specified in this inquiry with already available in DB IAS «Control-PA» in the Country 2 digital codes of samples of the given production, appropriated by a commodity producer and entered in DB IAS «Control-PA» at its registration and the primary account in system of registration IAS «Control-PA».

At concurrence of these codes CC IAS «Control-PA» in the Country 2 forms and sends on liaison channels of a network the Internet to address of the seller of the goods in reply to its inquiry the short message on volume about authenticity (or not to authenticity) the goods got by it and its quality (corresponds or the given goods mismatches requirements and norms of the international system of quality ISO-9000). If necessary receptions by the seller of the goods of more detailed information on its interesting goods, to it can be given out, in reply to its additional inquiry, the full information history of the goods got by it generated at the moment of inquiry in DB IAS «Control-PA».

For service rendered to it (from CC IAS «Control-PA» in the Country 2), first, according to authenticity and quality of the goods got by it, and, secondly, in case of its additional inquiry on delivery of full information history of this goods, the seller of the goods should pay [principles 5.5 and 5.8], and rather insignificant sum [conditions 6.2 and 6.8], for example, as shown in fig. 1, at a rate of 0,1 % from the cost price of the given concrete sample of the goods.

After end of the control of authenticity and quality of the got goods and personal belief in its authenticity and full conformity to requirements and norms of the international system of quality ISO-9000, the seller of the goods legalizes all necessary papers on wholesale purchase of the given goods at the distributor 2 of the Country 2.

End of operation of sale and purchase of the given goods by the seller of the goods in the Country 2 at the distributor 2 of the Country 2 means also end of 6-th stage of life cycle of this goods.

Stage 7. Essence of 7-th stage of what realization of life cycle or the concrete sample of the goods is its sale by the seller of the goods in the Country to 2 end user in the Country 2.

In information history of life cycle of the given sample of the goods its essence, i.e. sale of the concrete sample of the goods by the seller of the goods is reflected in 7-th its stage in the Country to 2 end user in the Country 2.

What each end user or the concrete sample of made production at its purchase at the seller, with a view of the personal control of authenticity and quality of the goods got by it, can address on liaison channels of a network the Internet to information resources IAS «Control-PA» by means of SMS-inquiry from the mobile phone, and receive its interesting answer in the form of the short message on the mobile phone about authenticity or not authenticity of the got goods and its quality (corresponds or the got goods mismatches the international system of quality ISO-9000) [principles 5.10, 5.11 and a condition 6.4].

Realizing this SMS-inquiry CC IAS «Control-PA» in the Country 2 compares the bar code of the concrete sample of the goods got by the end user specified in inquiry to a digital code of this sample of the goods, the appropriated commodity producer and entered in DB IAS «Control-PA» at it (the got concrete sample of the goods) registration and the primary account in system of registration IAS «Control-PA». At concurrence (or discrepancy) these codes CC IAS «Control-PA» in the Country 2 forms and sends on liaison channels of a network the Internet to address of the end user of the goods in the Country 2 on its mobile phone (in reply to its SMS-inquiry) the short message on

volume about authenticity (or not to authenticity) the given sample of the goods got at the seller of this goods in the Country 2 and its quality (corresponds or the sample of the goods mismatches given concrete to requirements and norms of the international system of quality ISO-9000).

If necessary receptions by the end user of the goods of more detailed information on its interesting concrete sample of the goods, to it can be given out on its mobile phone, in reply to its additional inquiry, as well full information history of this concrete sample of the goods sold by the seller, generated by results of realization of all stages of life cycle of this sample of the goods.

For service rendered to it (from CC IAS «Control-PA» in the Country 2), first, according to authenticity and quality of the goods got by it, and, secondly, in case of its additional inquiry on delivery of full information history of this goods, the end user of the goods should pay [a principle 5.10]. And, the size of payment of SMS-inquiries of end users of samples of production got by them, should be rather insignificant on the sum [conditions 6.2 and 6.8], for example, as shown in fig. 1, at a rate of 0,1 % from the cost price of the concrete sample of the goods got by the end user. And the part of cost of these SMS-inquiries, according to agreements between operators of cellular communication and IAS «Control-PA», should act in the form of payment of information resource IAS «Control-PA», used at realization of the specified SMS-inquiries of end users of the goods.

After end of the control of authenticity and quality of the got concrete sample of the goods and personal belief in its authenticity and full conformity to requirements and norms of the international system of quality ISO-9000, the end user of this sample of the goods makes its payment at the seller of this goods in the Country 2.

End of operation of sale of the given concrete sample of the goods by the seller of this goods in the Country to 2 end user of this sample of the goods means also end of 7-th stage of life cycle of this concrete sample of the goods.

At end of 7-th what stage of life cycle or the concrete sample of the goods the information history of this product sample in DB IAS «Control-PA» should be closed and be transferred in electronic archive IAS «Control-PA» [a principle 5.2].

And after that this sample of the goods cannot be sold or resold in the market by someone any more (for example, the same end user who has got it hardly earlier at the seller), as the original goods from its commodity producer. At the reference to DB IAS «Control-PA», with a view of the control of authenticity and quality of this sample of the goods (for example, by means of considered above SMS-inquiry), system will give out the information, that this sample of the goods already has been sold earlier and consequently any more is not the original goods from a commodity producer.

8. Conclusions and recommendations on creation and maintenance of functioning offered international automated system of control of production authenticity

By results of consideration of the presented offers on creation and maintenance of functioning of the offered international automated monitoring system of authenticity and quality of production it is possible to draw following conclusions and recommendations.

8.1. The international automated monitoring system of authenticity offered to creation and qualities of production (goods), owing to incorporated in a basis of its construction to principles and conditions of creation and maintenance of functioning, will allow any participant of realization of life cycle of the goods at its all stages, and, first of all, to the end user of the goods got by it, to receive objective both a trustworthy information about authenticity and quality of this goods, and to protect that the market from counterfeit, forged, poor-quality and dangerous production.

In comparison with the offered system, any existing modern means, ways and methods of protection of production made by commodity producers from counterfeit, forged, poor-quality and dangerous production (for example, various marks, labels, holographic labels and other, pasted and attached on product samples its commodity producers) and sold in practice under the scheme of the opened management, will not allow to make it basically. And consequently efficiency of these means, ways and methods of protection of the market from counterfeit production, not looking at their high expenses, is rather small, that convincingly proves this fact an existing practice of struggle against the counterfeit goods all over the world.

8.2. The offered system, due to creation and maintenance of conditions of its functioning as control systems with a feedback, will allow its users to make correct decisions on the basis of given by it objective and a trustworthy information on results of the control of authenticity and quality of production at all stages of life cycle of this production.

8.3. Due to creation and maintenance of conditions for registration and uses in system of registration IAS «Control-PA» information only about those commodity producers and production let out by them which meet the requirements also to norms of the international system of quality ISO-9000, the given system will allow to supervise alongside with authenticity of production, as well its quality.

8.4. No counterfeit and forged goods which is not meeting the requirements and norms of the international system of quality ISO-9000, can be registered by system of registration IAS «Control-PA» any more and consequently the control of authenticity and quality of this production, with use of this system, will show the end user negative result.

8.5. The offered system will provide gradual without disputed replacement from the market of the illegal commodity producers letting out and realizing in the market counterfeit, forged, poor-quality and dangerous production under marks of firms of known commodity producers.

8.6. The telecommunication environment for realization of an information exchange in offered system are liaison channels of a network the Internet. In case of absence, or insufficient development of this network on what either to the reasons in what or the countries of the world, this blank can be easily overcome with use for this purpose new technology of wireless broadband user's access of last mile. Under the maintenance and sold functions it represents telecommunication technology of a high-speed bilateral exchange of the multimedia information on broadband radio channels. The reduced name of this universal technology of distribution by the multimedia information and system corresponding it, according to the international classification, has abbreviation UMWS - Universal Multimedia Wireless System. This name corresponds the accepted International Union of Telecommunication to reductions for similar systems: LMDS (Local Multipoint Distribution System), MWDS (Multimedia Wireless Distribution System), etc. [3].

The maintenance and essence of UMWS-technology, purpose, scopes and the brief description of corresponding this technology of system UMWS, the precondition, a condition, a direction and a way of practical realization in what or crapee the world of UMWS-technology, and also the basic results which can be received, in detail opened thus in the report of one of authors of this technology at the given conference [4], and are led in the Appendix to the present report (in its electronic variant on an optical disk of type of CD-R).

8.7. The offered system will actively cooperate with system of cellular communication. Thus, to operators of cellular communication and investors of this sphere of business the internal essence and the maintenance of the project on creation and maintenance of functioning IAS «Control-PA», as highly effective and highly profitable for them new sphere of active development of their business, with purposes very attractive to them and the problems of this system stimulating their actions on an investment of capitals (and, rather small on volume) in its investment will be close and clear. Therefore in the environment of this business-elite of a society also it is necessary to search, first of all, worldwide for supporters and active participants of realization of the project on creation IAS «Control-PA», as its national segments, and as a whole of the international system, under aegis of the United Nations on Industrial Development Organization (UNIDO).

8.8. For achievement of the purposes and problems of offered system it should be its functioning exclusively on not state and noncommercial basis under aegis and control UNIDO, as the international public organization reflecting and protecting interests of commodity producers of all countries of the world is constructed and provided.

Organizational structures which should provide creation, expansion and functioning on constant basis IAS «Control-PA» as its national segments, and as a whole of all international system, can be created in the organizational-legal form of the noncommercial organizations (noncommercial partnership) under aegis and the control of regional and national branches UNIDO, over the name:

- The international (world) center of coordination of functioning (WCCF) IAS «Control-PA», offered to creation under aegis and control UNIDO;
- The regional centers of coordination of functioning (RCCF) IAS «Control-PA», offered to

creation under aegis and the control of regional branches UNIDO (for example, EuroAsianCCF - the Euroasian center of coordination of functioning IAS «Control-PA», offered to creation under aegis and the control of the International Congress of Industrialists and Entrepreneurs (ICIE), uniting in the structure the national unions (associations, confederations and so forth) industrialists and entrepreneurs of 26 countries of the European-Asian region of the world);

- The national centers of coordination of functioning (NCCF) IAS «Control-PA», offered to creation under aegis and the control of the national unions (associations of confederations and so forth) industrialists and the businessmen entering in this or that kind in structure of regional organizational communications UNIDO (for example, RusCCF - the Russian center of coordination of functioning IAS «Control-PA», offered to creation under aegis and the control of the Russian Union of Industrialists and Entrepreneurs (RUIE), entering into structure of organizational communications ICIE).

Structure of noncommercial partnership offered to creation (NP) the international network of the centers of coordination of functioning IAS «Control-PA» (uniting in the structure: one WCCF and set RCCF, with becoming isolated on them NCCF) will be inherently the international noncommercial organization, an acting basis of full self-support, voluntariness and mutual advantage for all commodity producers and all consumers worldwide, with maintenance thus full independence of construction and maintenance of functioning IAS «Control-PA» from what any influence or the state or any government.

Thus (as in the is administrative-political and organizational and financial attitude) for members of the national unions (associations, confederations and so forth) industrialists and entrepreneurs their occurrence in structure of founders specified above noncommercial partnership, organizing activity NCCF IAS «Control-PA» on creation and maintenance of functioning of national segments IAS with them «Control-PA» in the countries will be rather favourable.

8.9. For concrete and detailed study of questions of creation of structure NP of a network of the centers of coordination of functioning IAS «Control-PA», and also ways of their functioning and realization of activity on achievement of the purposes and problems IAS «Control-PA», authors of the present report suggest to create working group under aegis UNIDO.

The literature:

1. Khrenov V.P. «The New stage of development of systems of protection of the information», magazine «The Science and technologies in the industry» // The Report on the scientific and technical congress on safety «Safety - a basis of steady development of regions and megacities», Moscow, on November, 15-16th 2005 // Is published in magazine «The Science and technologies in the industry», № 3, 2005 (special issue by day of carrying out of the scientific and technical congress on safety: «Safety - a basis of steady development of regions and megacities»), p. 96-99.
2. Khrenov V.P. «PriNum-technology - technology of protection of the information of new generation, and its application in systems of maintenance of information safety of various type and purpose» // The Report at the second Moscow international exhibition-forum «InfoForumCity-2006», Moscow, World trade centre, 14 - on June, 16th, 2006 // Is published in magazine «Business and safety in Russia», 46, January 2007, p. 86-95.
3. Dedov A.A. «Universal technology of a high-speed bilateral exchange of the multimedia information on broadband radio channels (UMWS-technology) and its application for granting universal service to consumers in scales of all country» // The Report at the second Moscow international exhibition-forum «InfoForumCity-2006», Moscow, World trade centre, 14 - on June, 16th, 2006 // Is published in magazine «Business and safety in Russia», 46, January 2007, p. 96-101.
4. Dedov A.A. «About practical realization in the countries of Africa and South America highly effective and highly remunerative innovative technologies in a telecommunication field of activity of a society» // The Report at the international conference «Cooperation in the field of transfer, financing and commercialization innovative technologies», spent by the United Nations on Industrial Development Organization (UNIDO) and the International Congress of Industrialists and Entrepreneurs (ICIE), Austria, Vienna, on March, 21-22th, 2007.